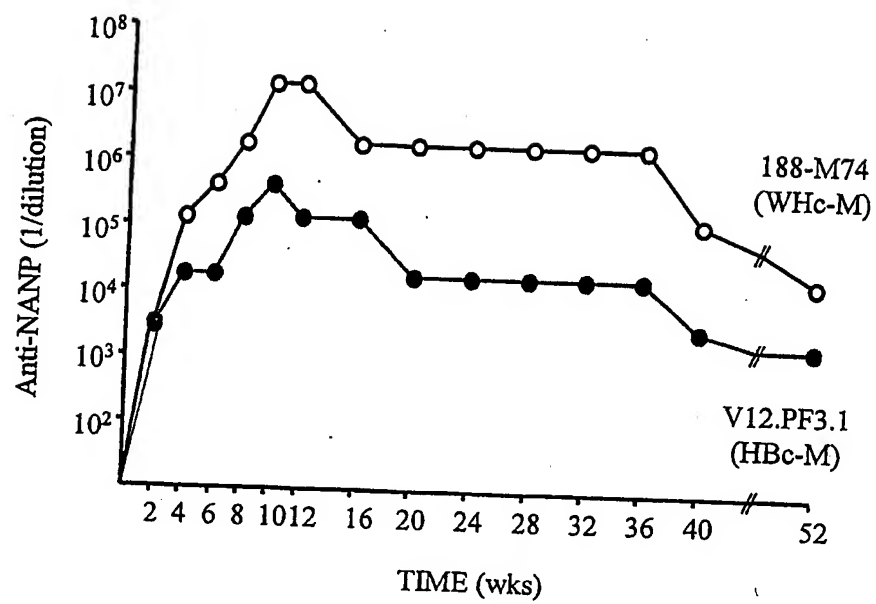


**Fig. 1**

**Fig. 2**

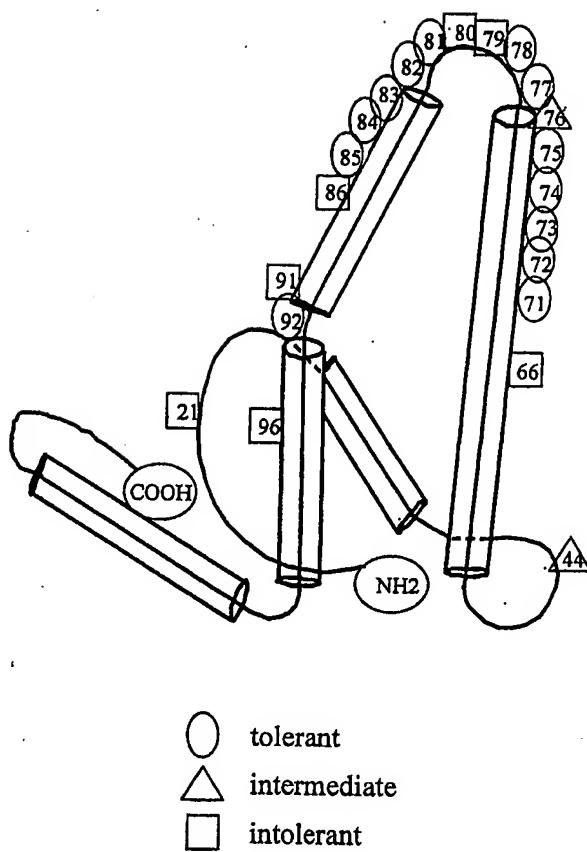
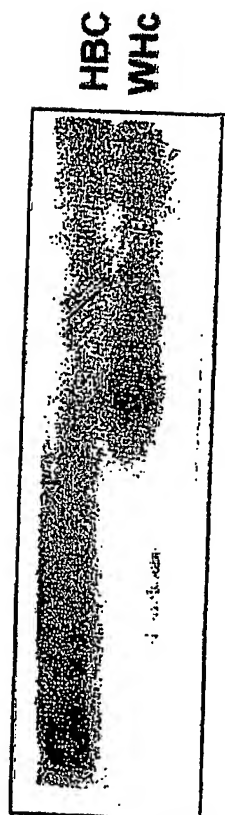


Fig. 3



**Fig. 4**

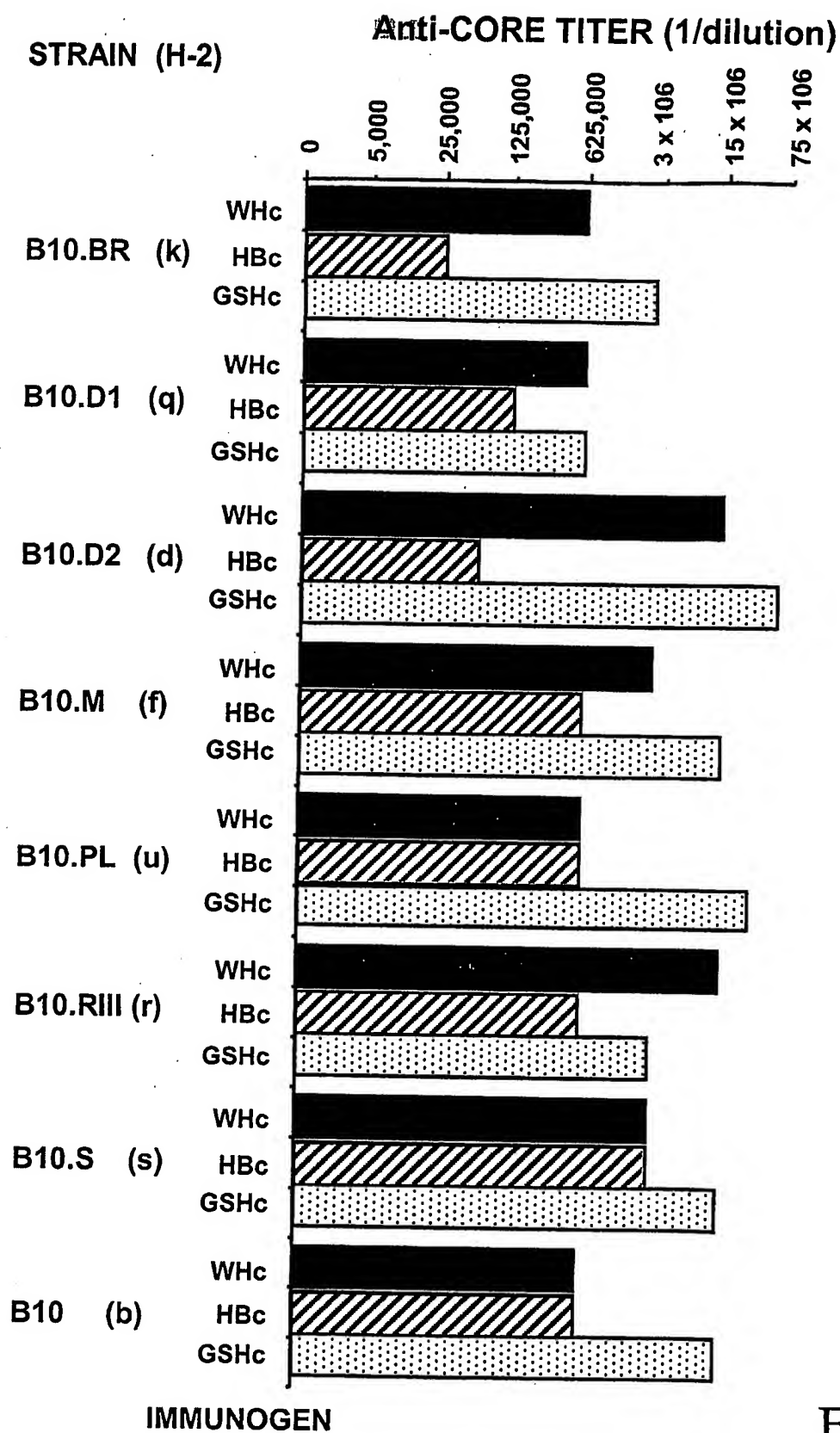


Fig. 5

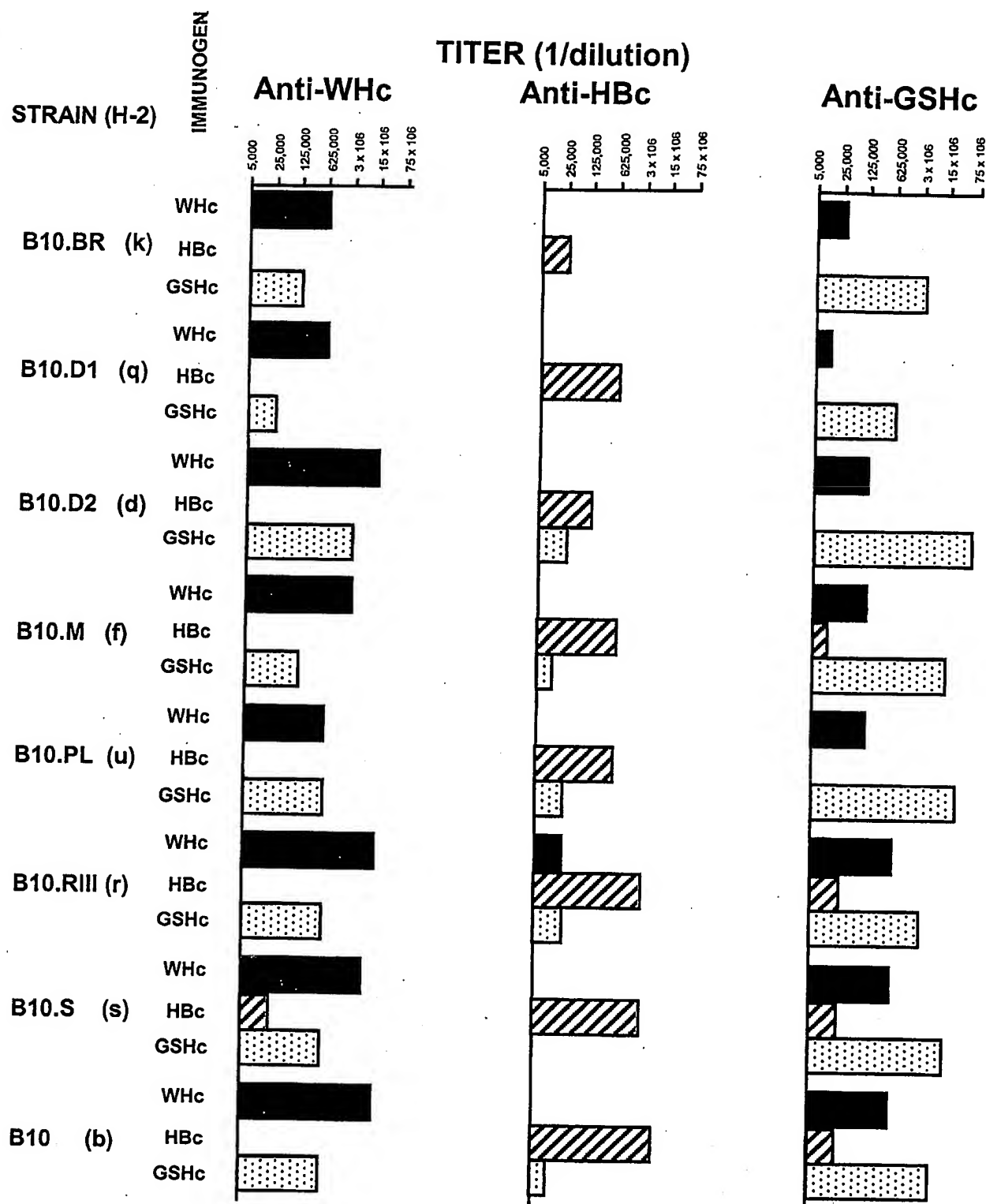


Fig. 6

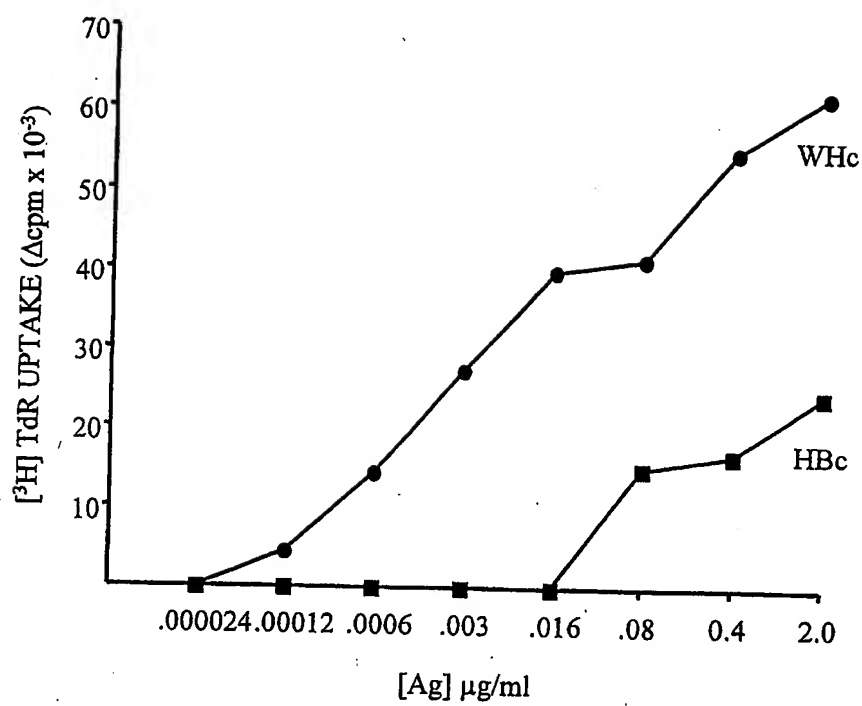


Fig. 7

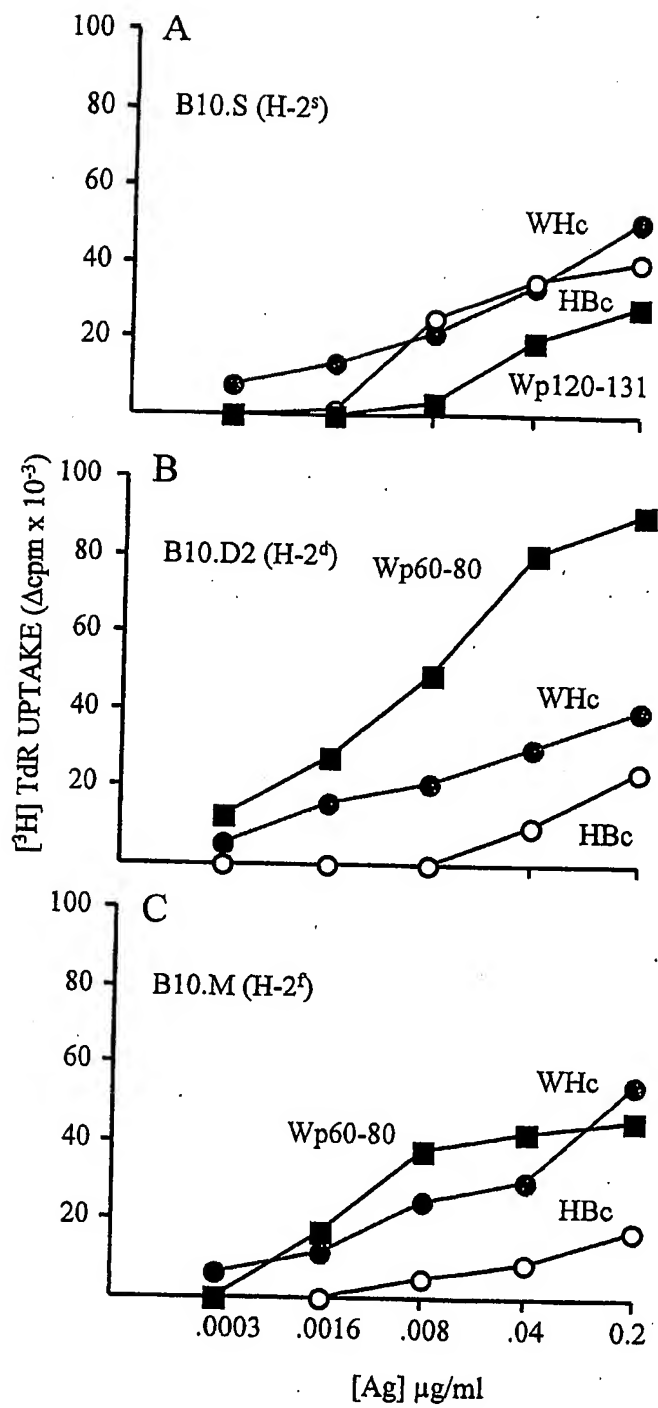
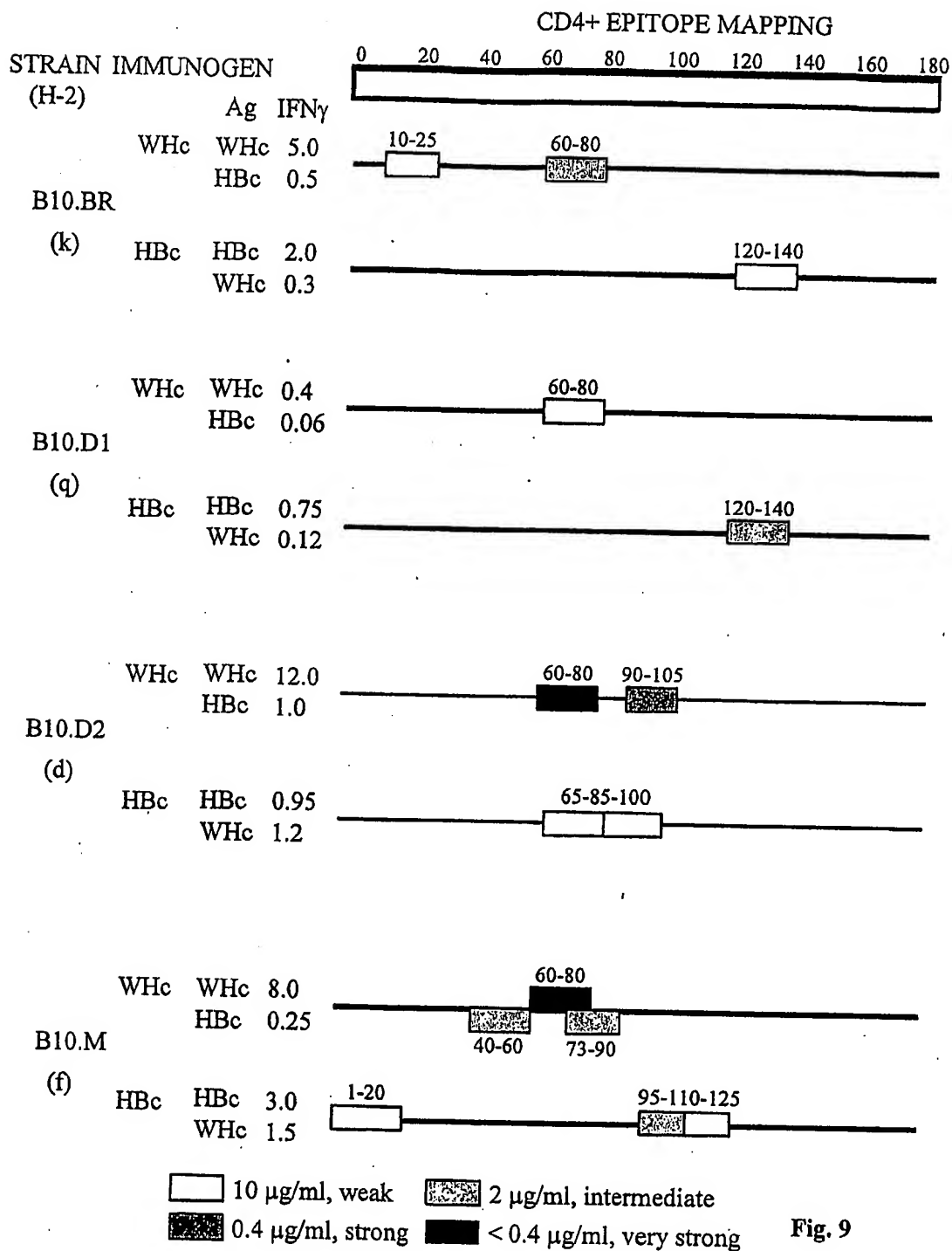


Fig. 8





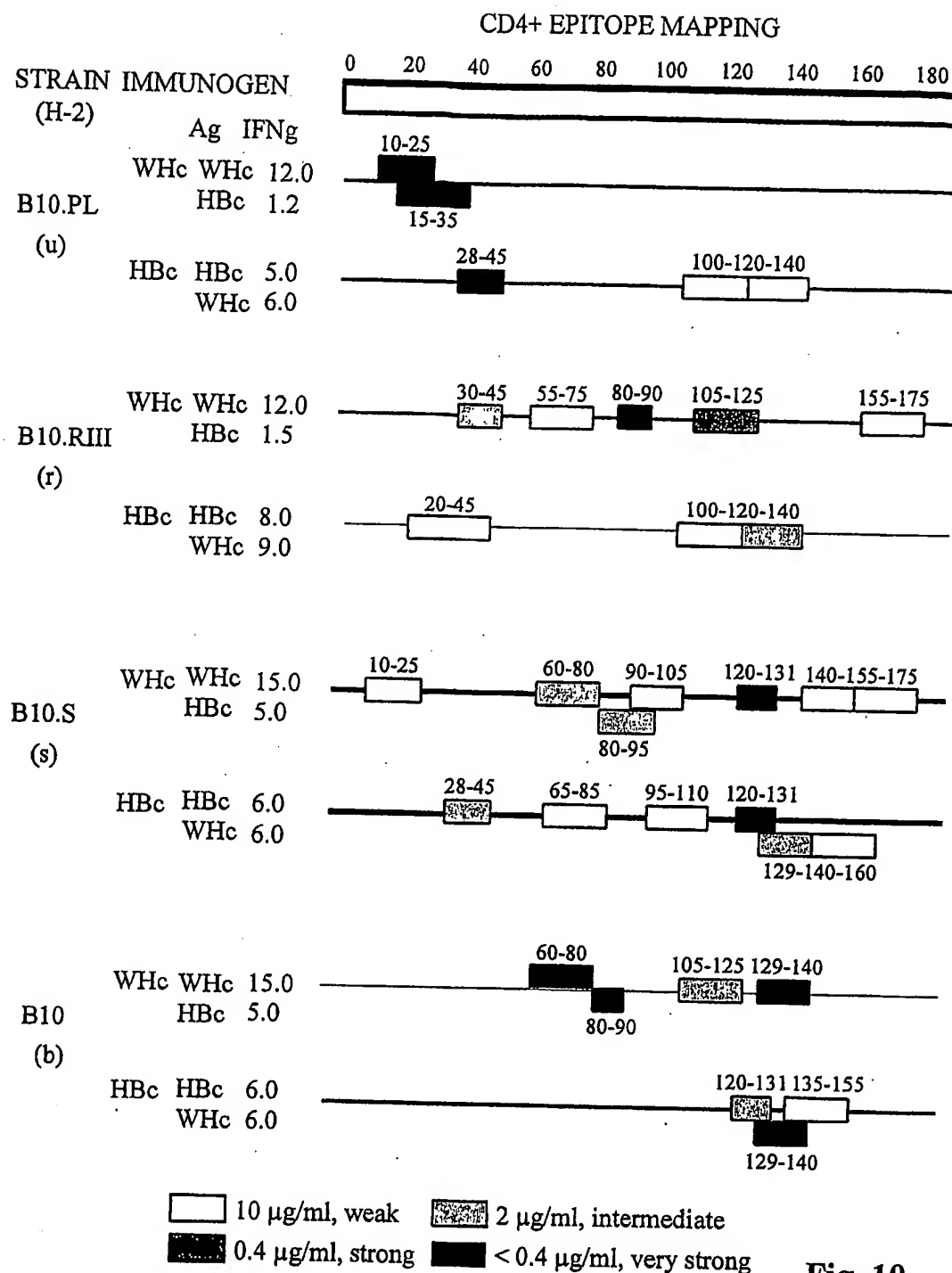


Fig. 10

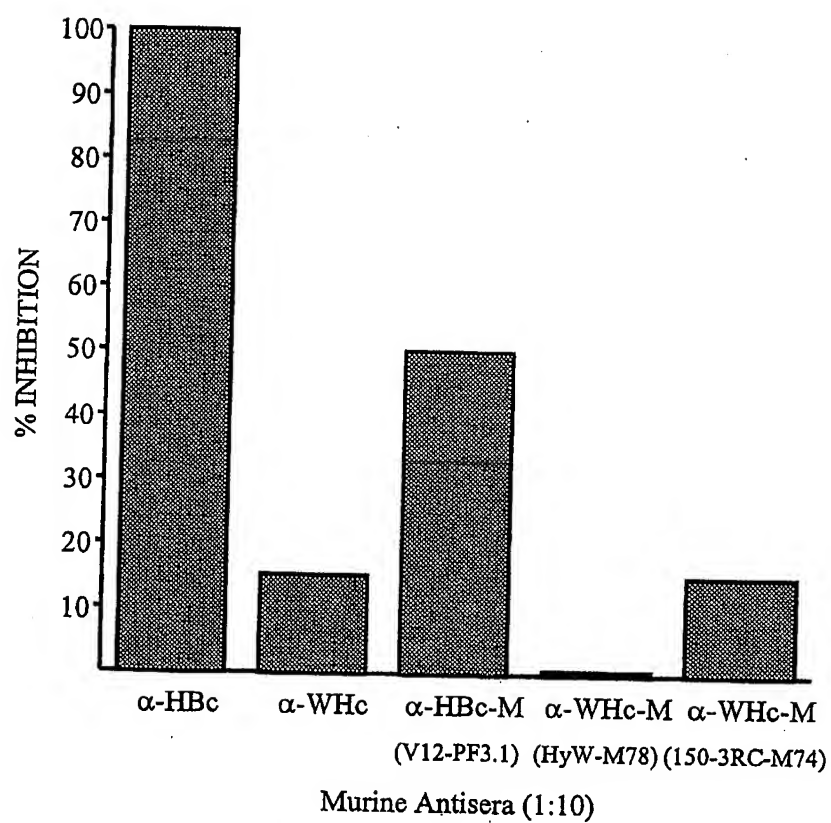


Fig. 11

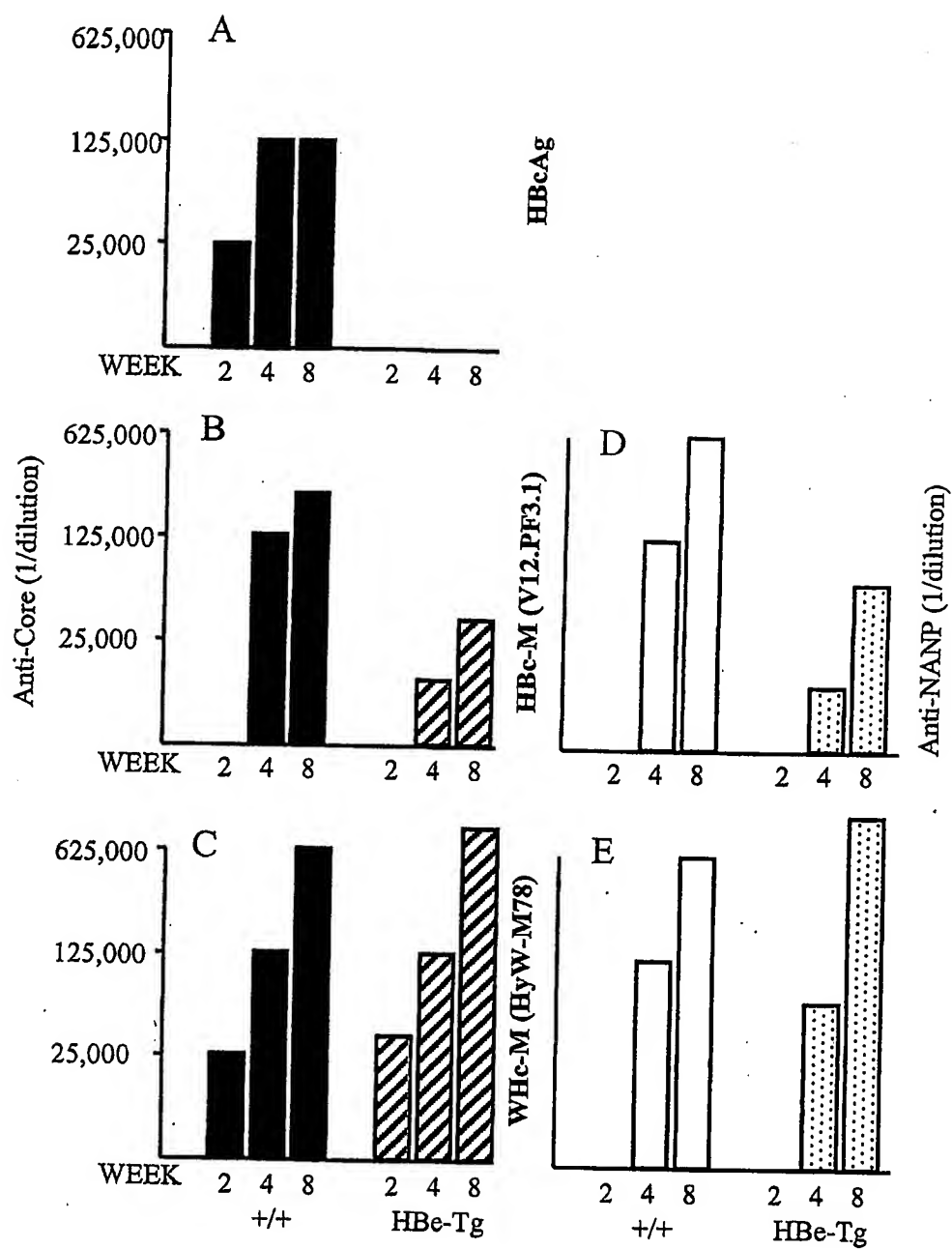


Fig. 12

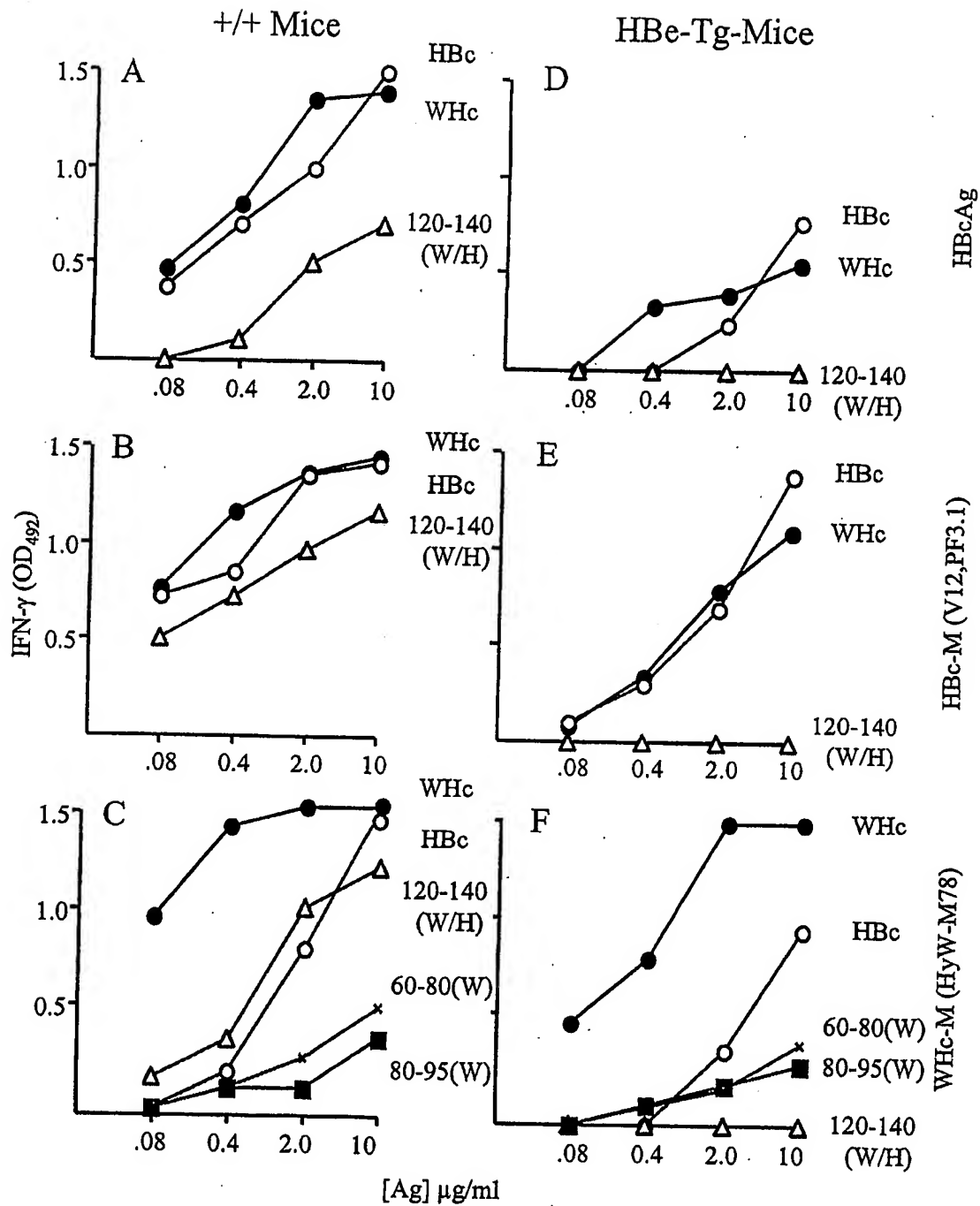


Fig. 13

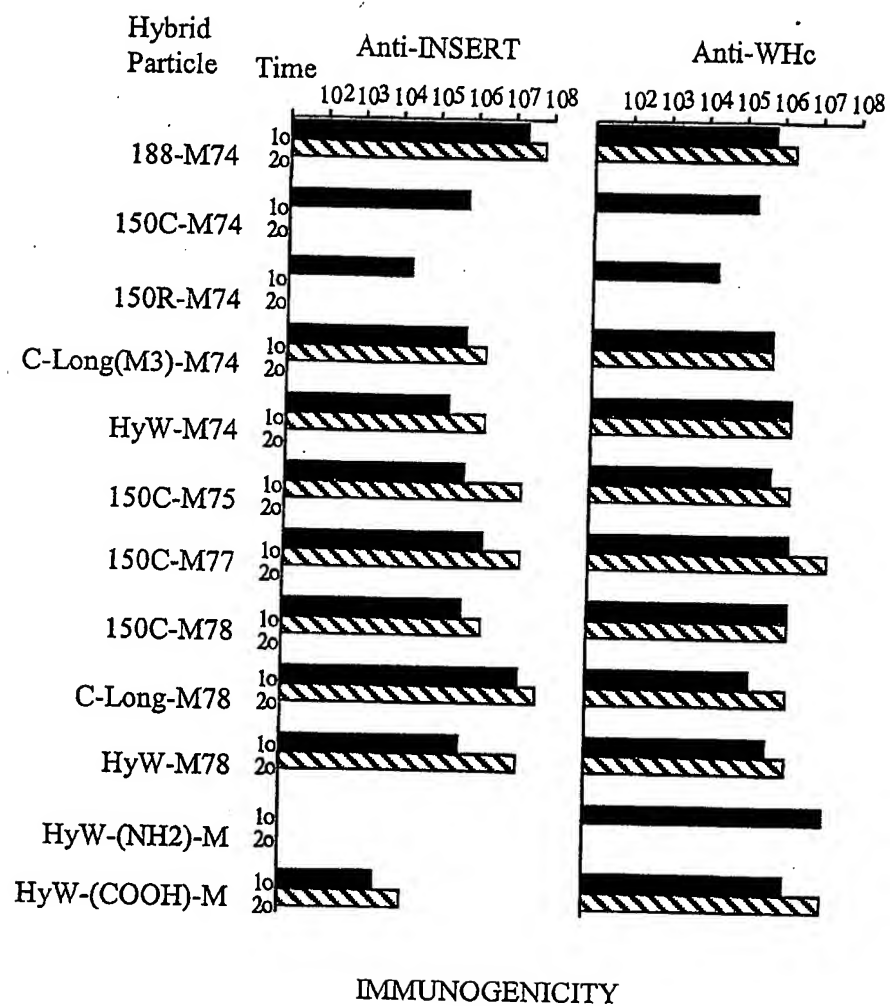


Fig. 14

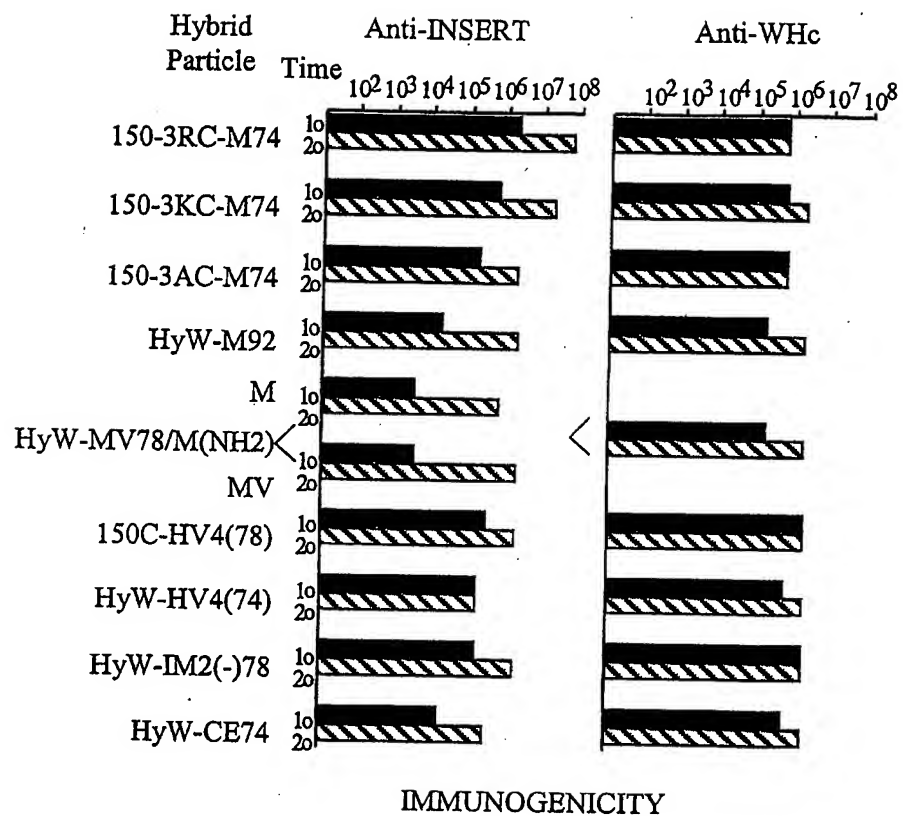


Fig. 15

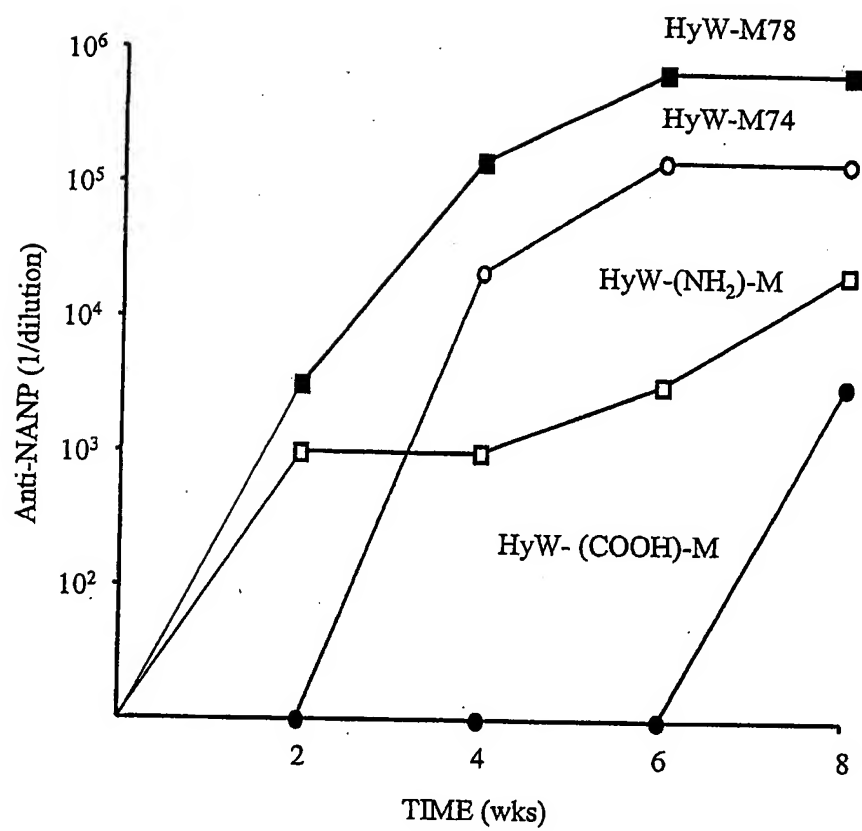


Fig. 16



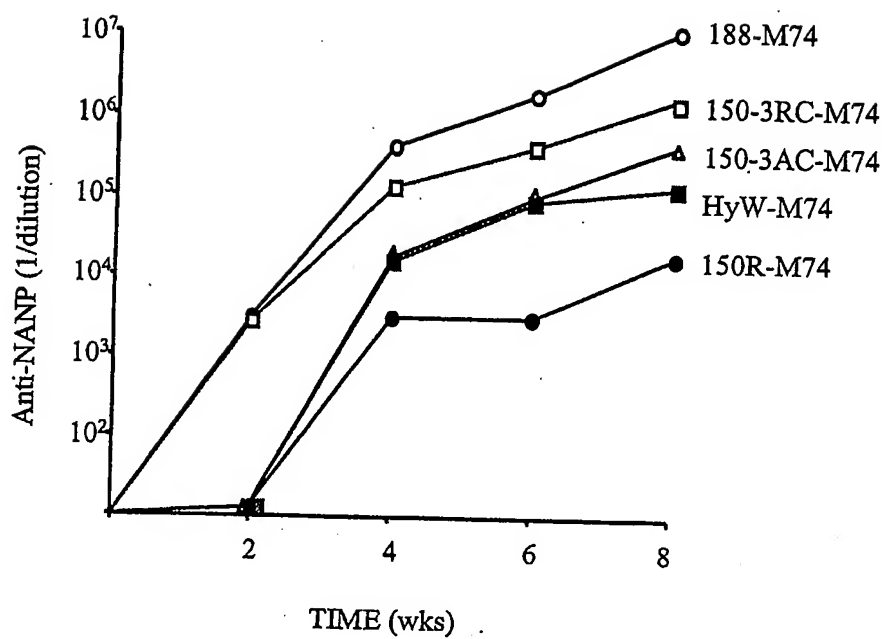


Fig. 17

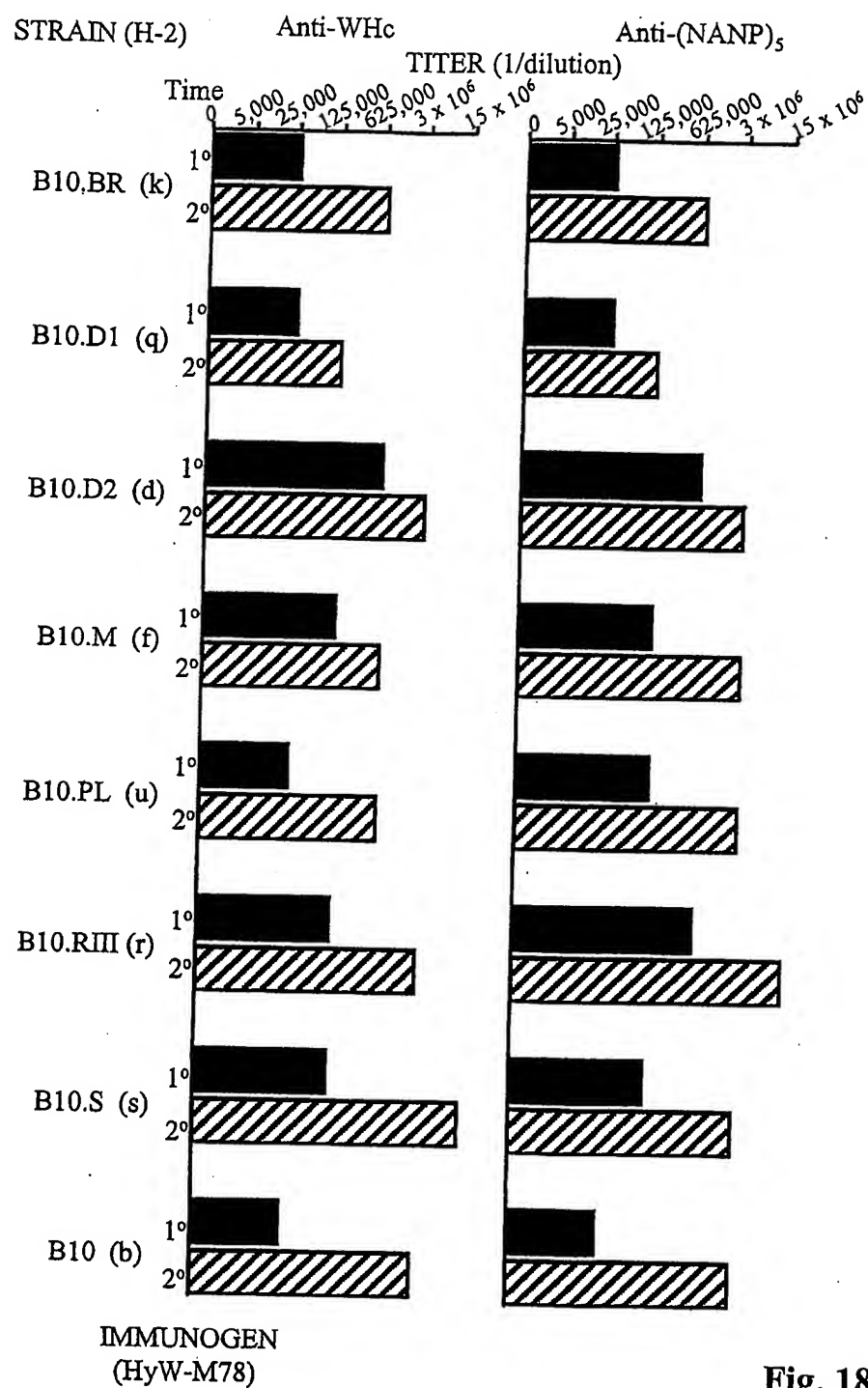


Fig. 18

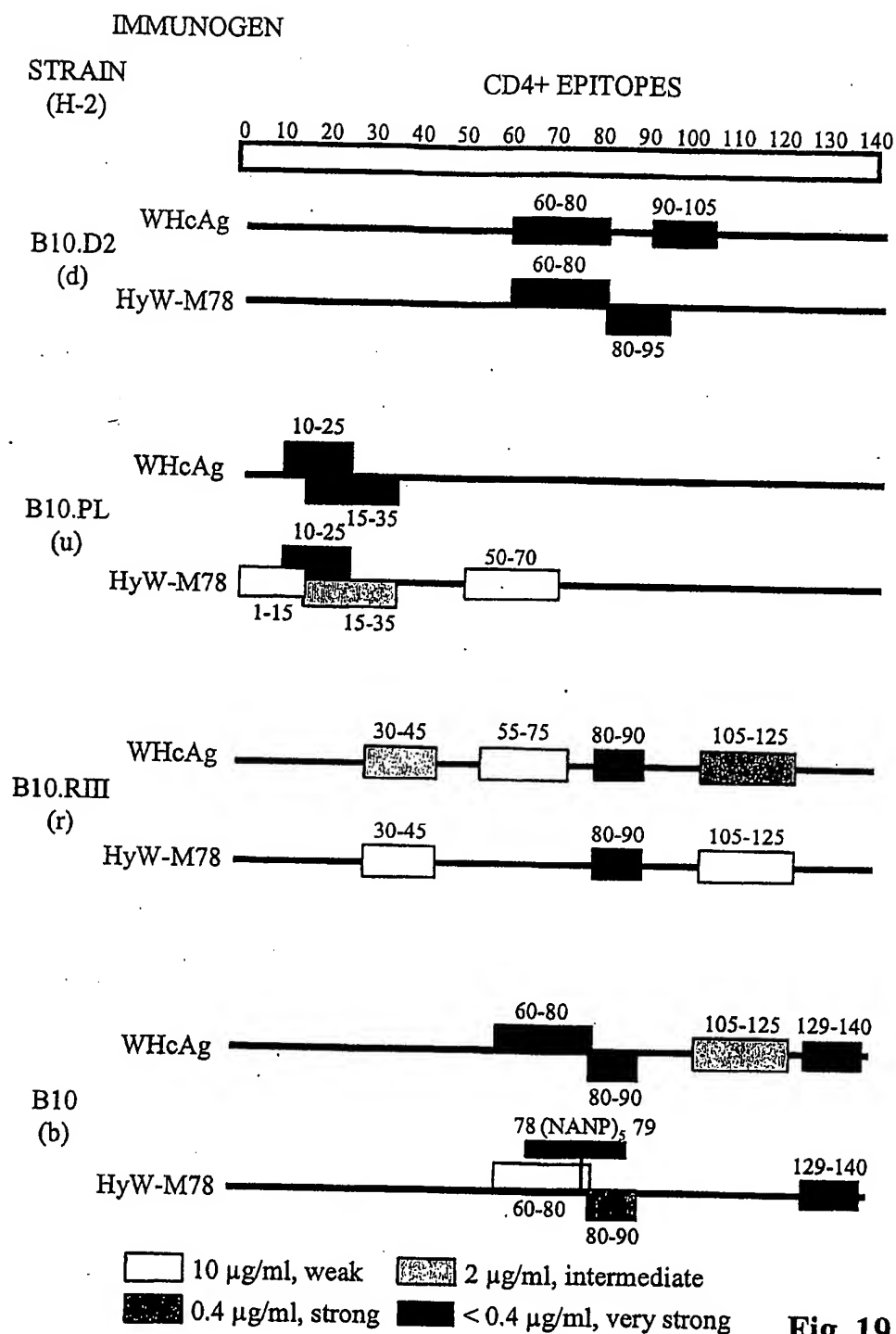


Fig. 19

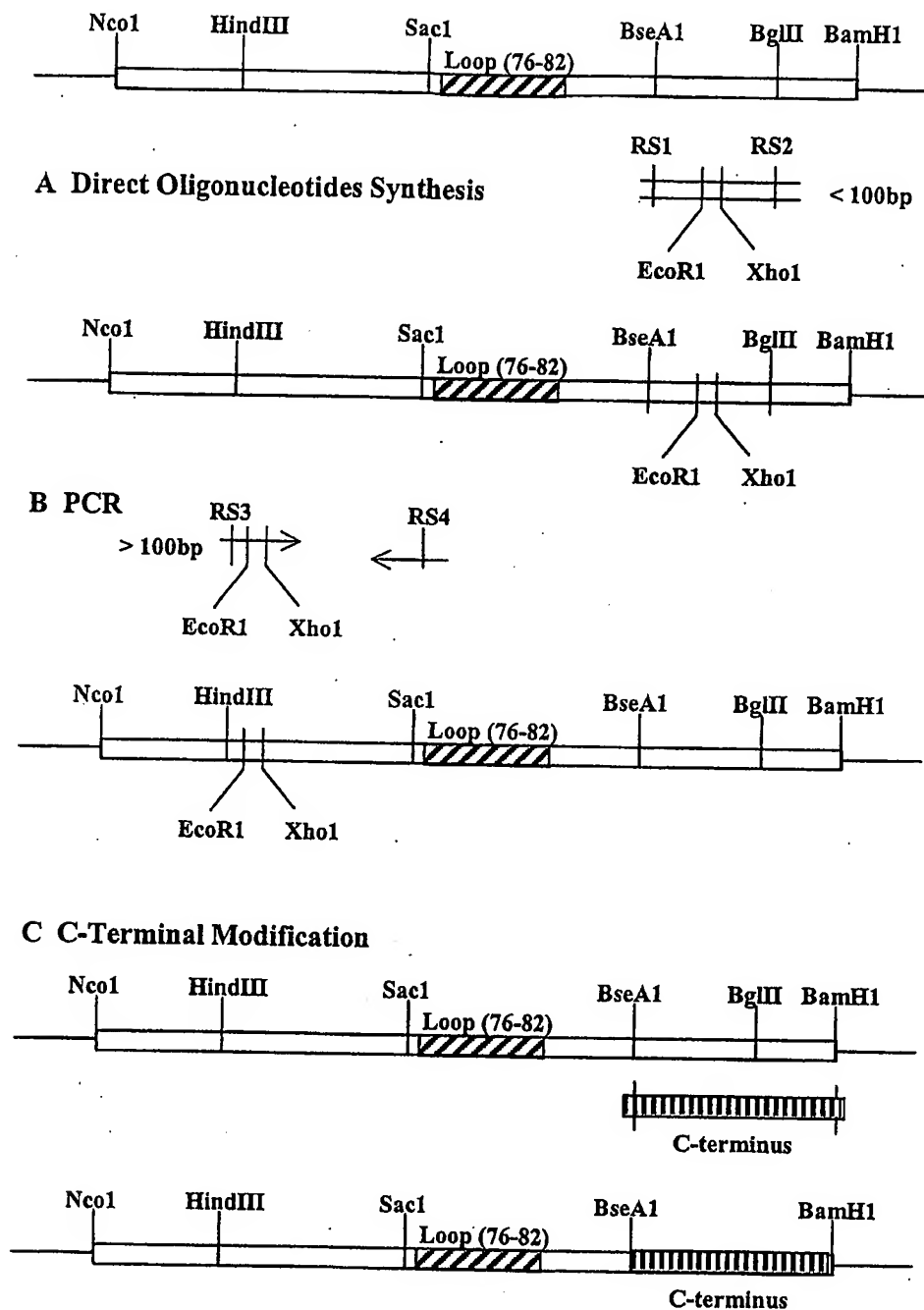


Fig. 20

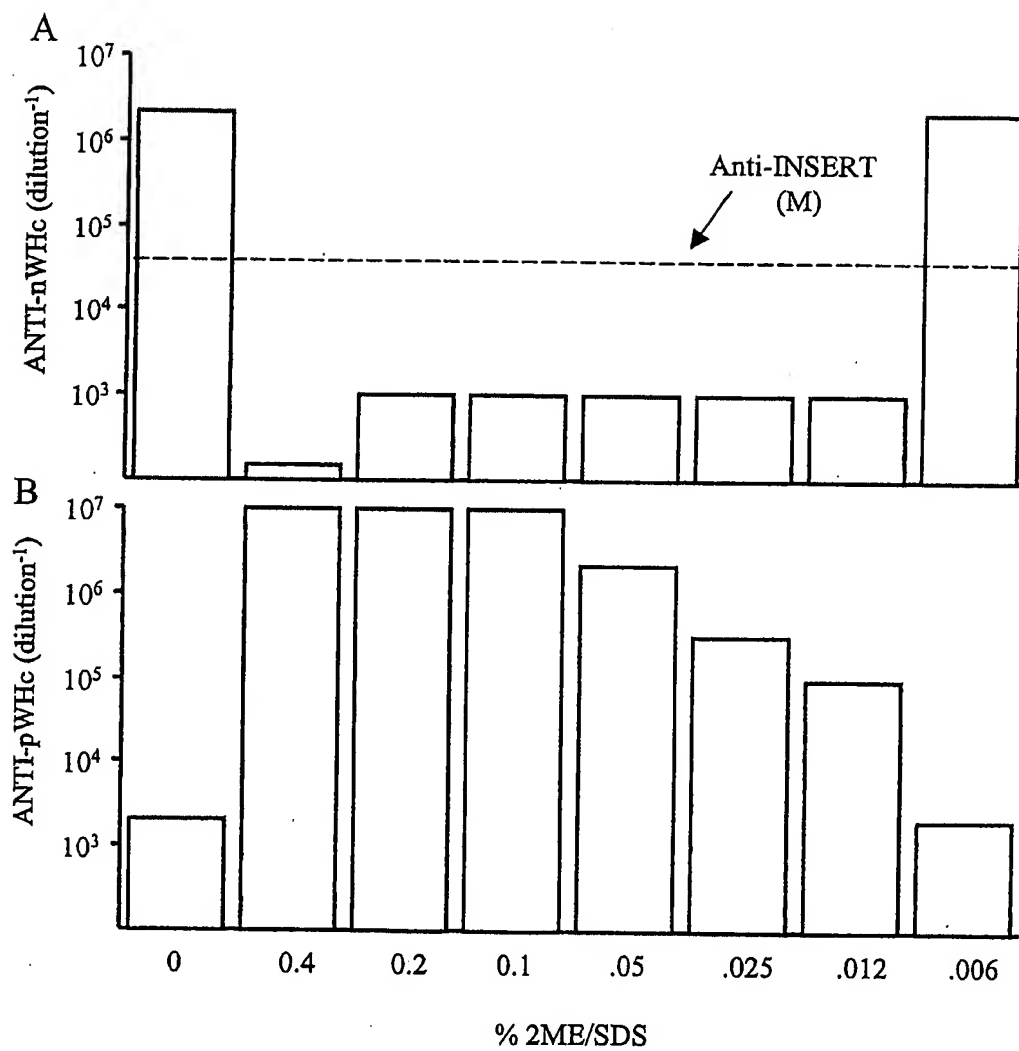


Fig. 21

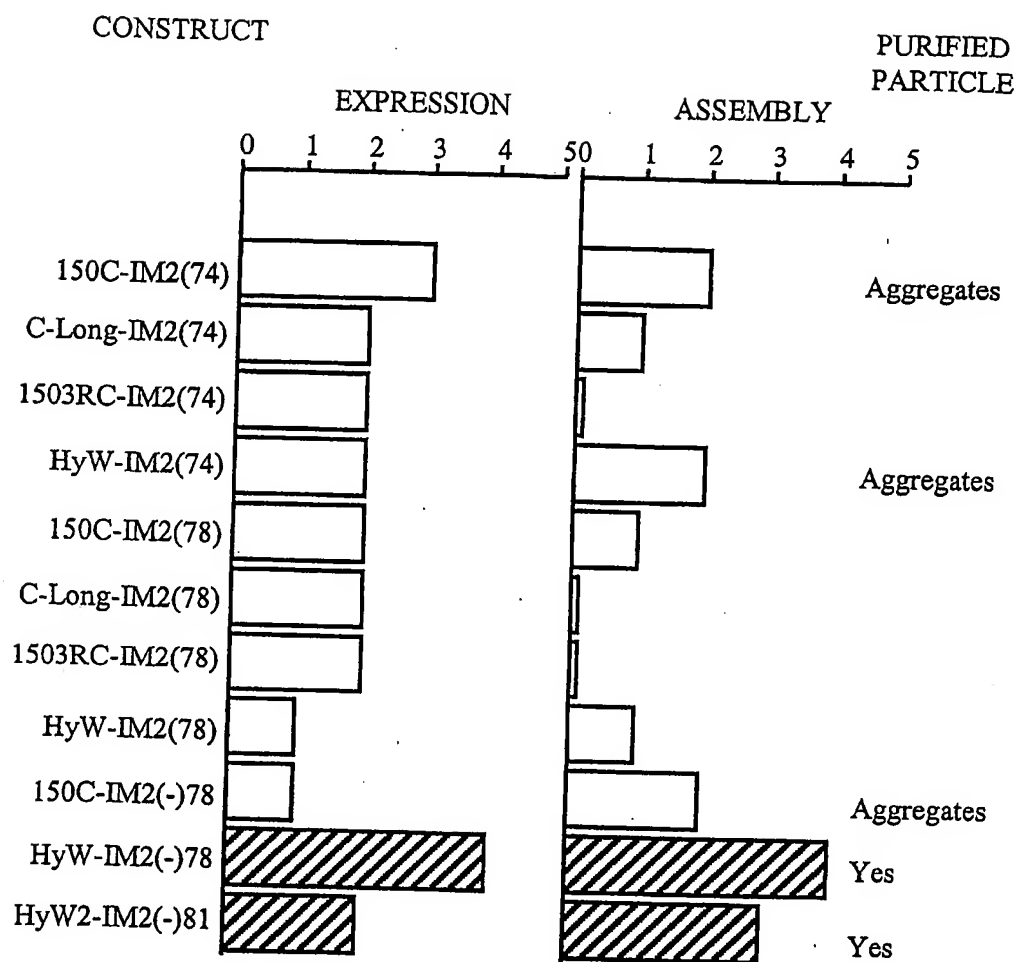


Fig. 22



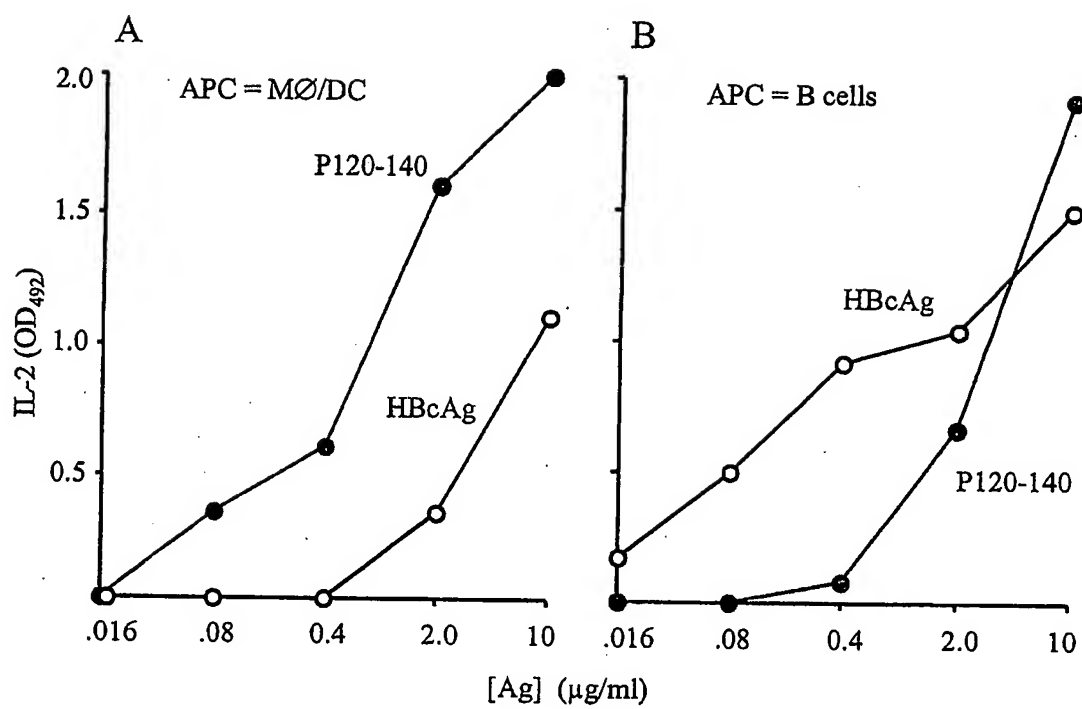


Fig. 24



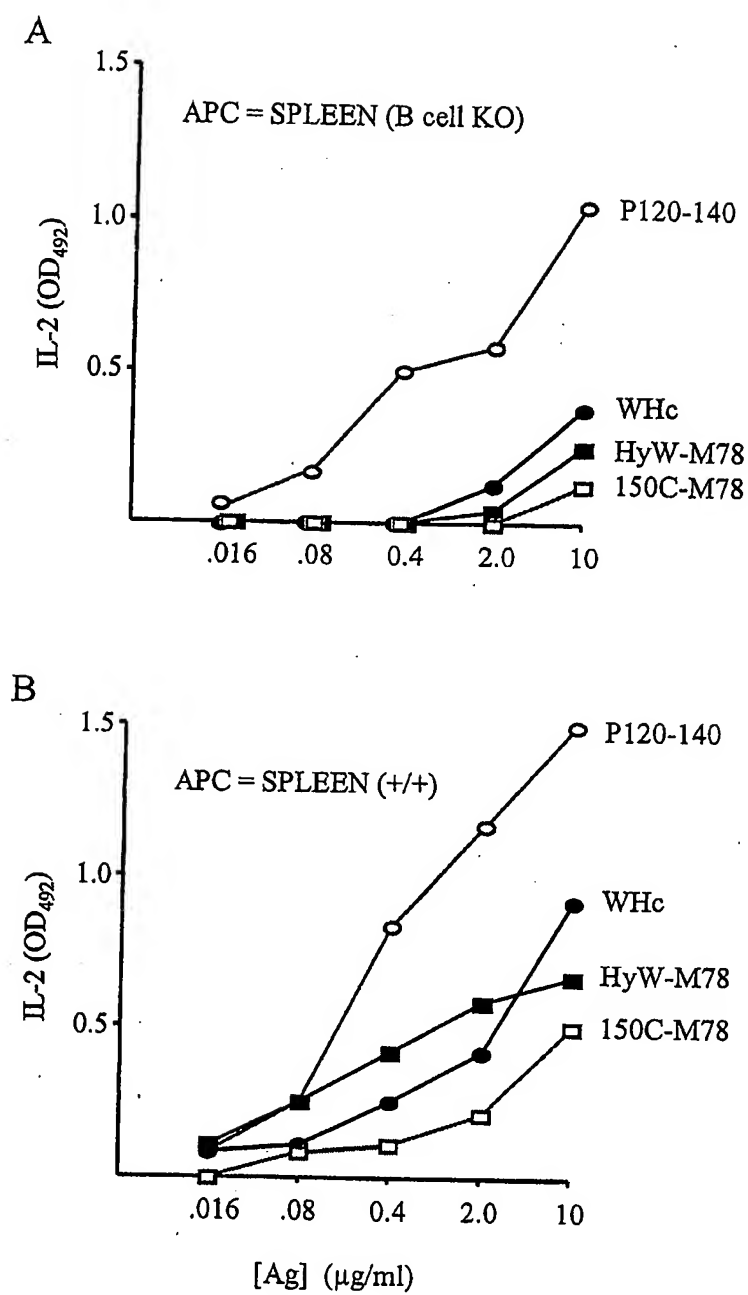


Fig. 25

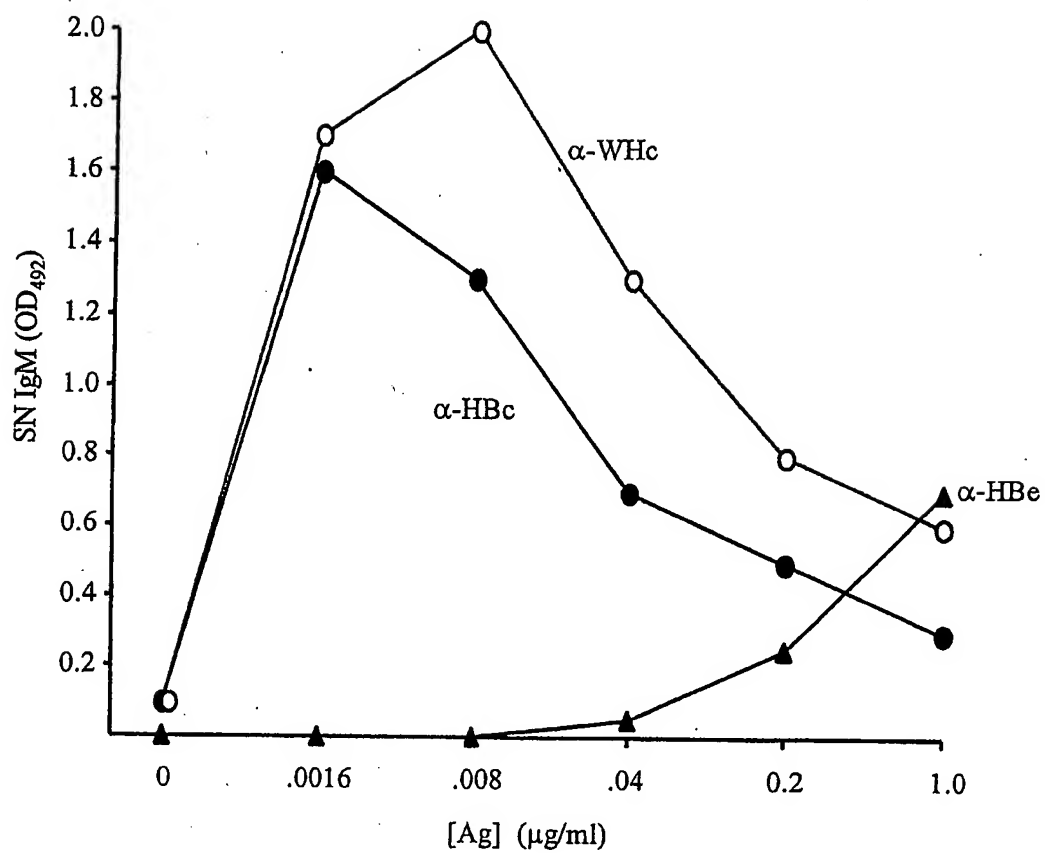


Fig. 26

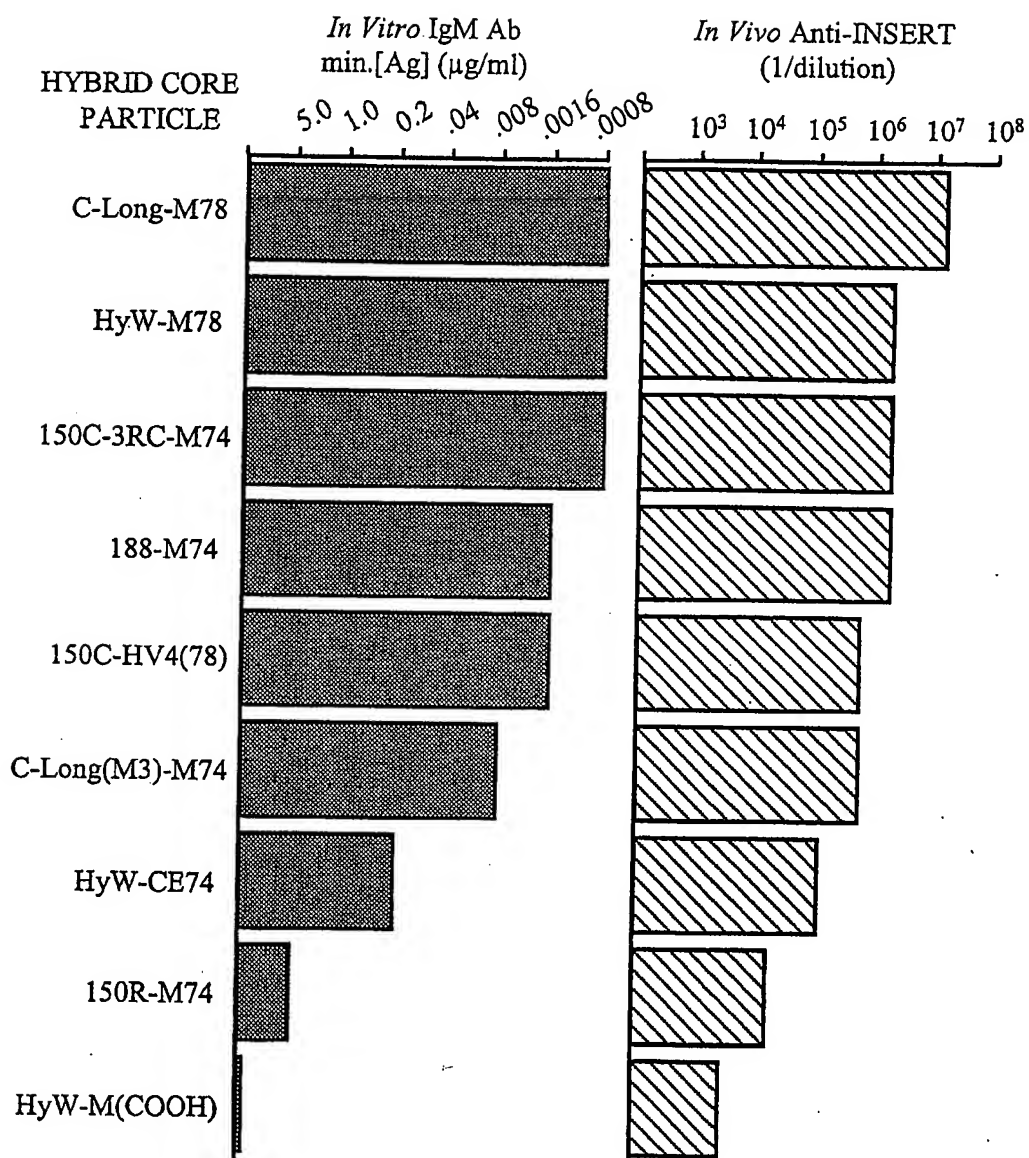


Fig. 27

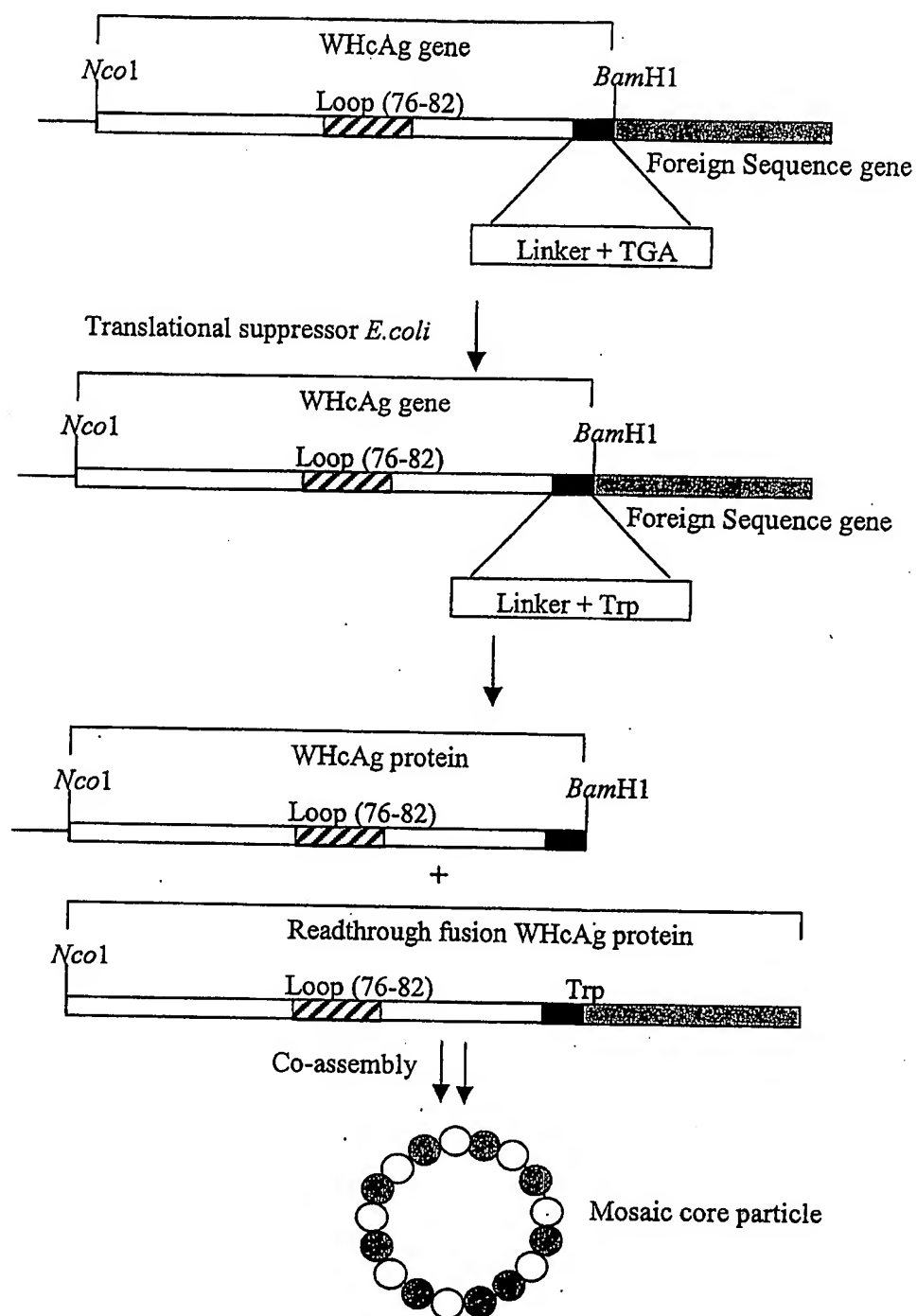


Fig. 28

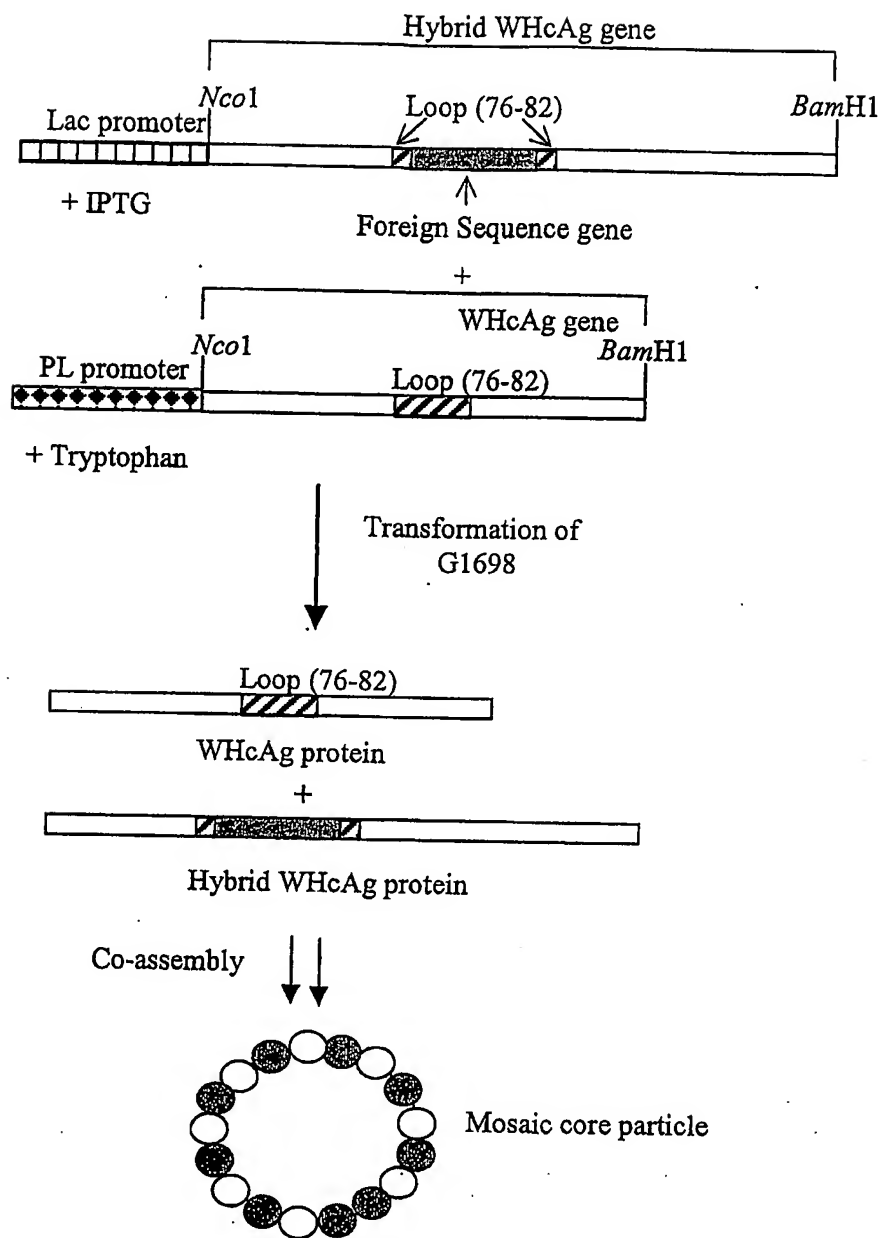
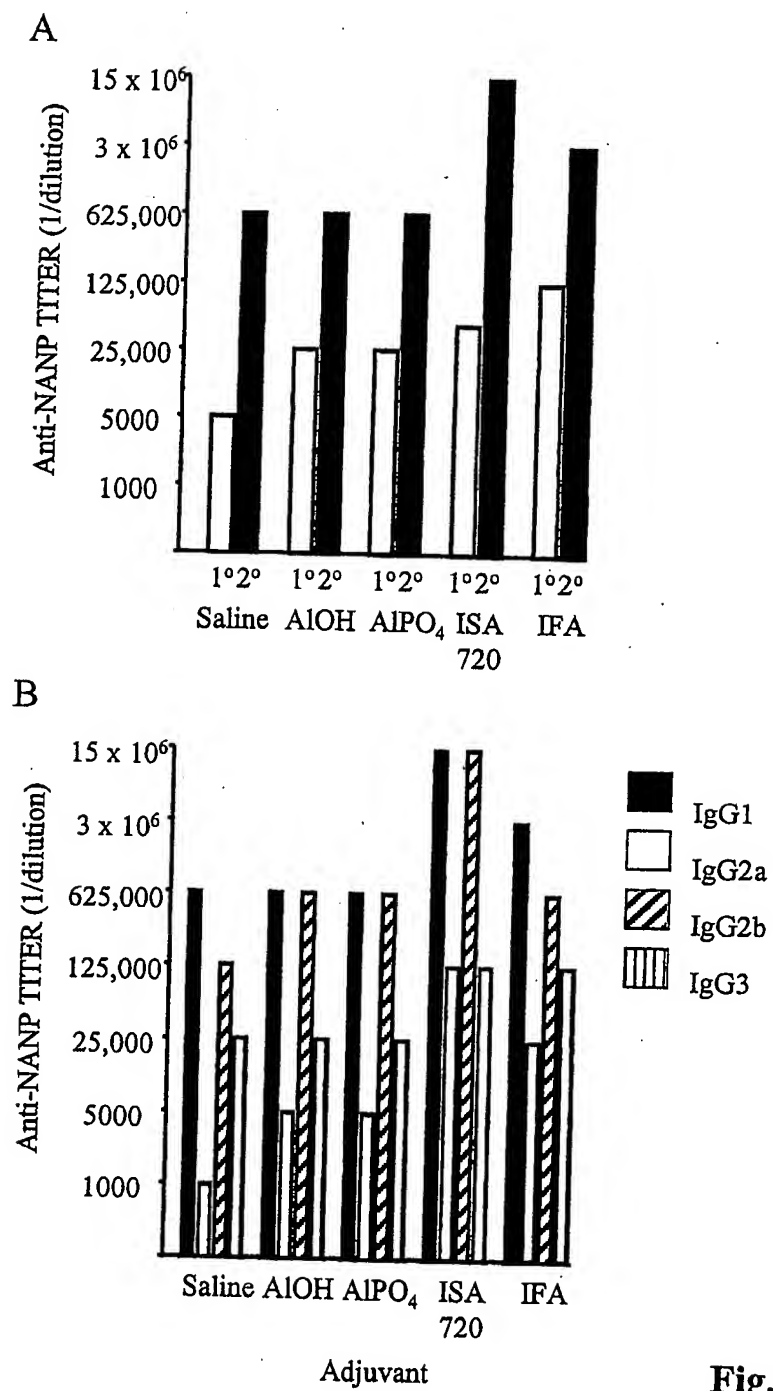


Fig. 29

**Fig. 30**

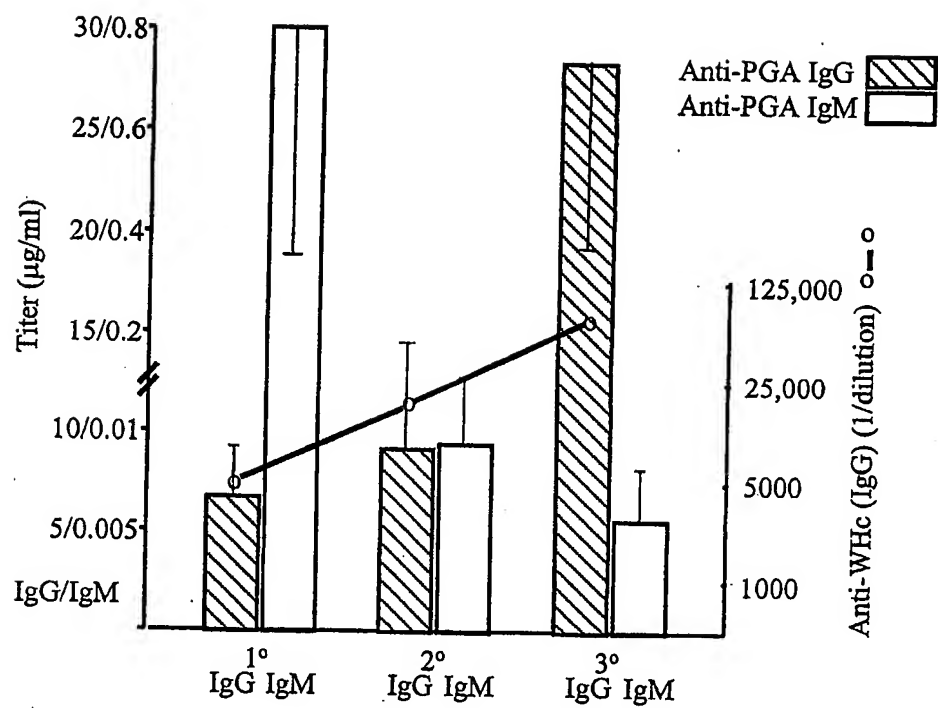


Fig. 31

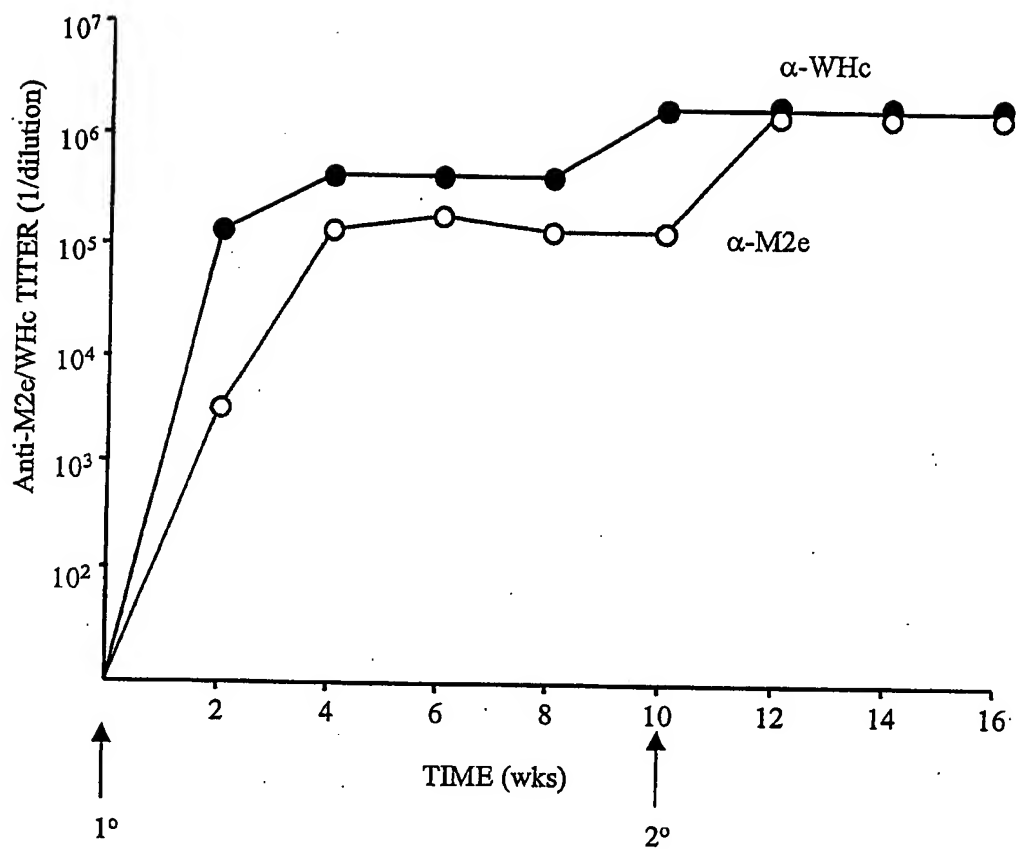


Fig. 32



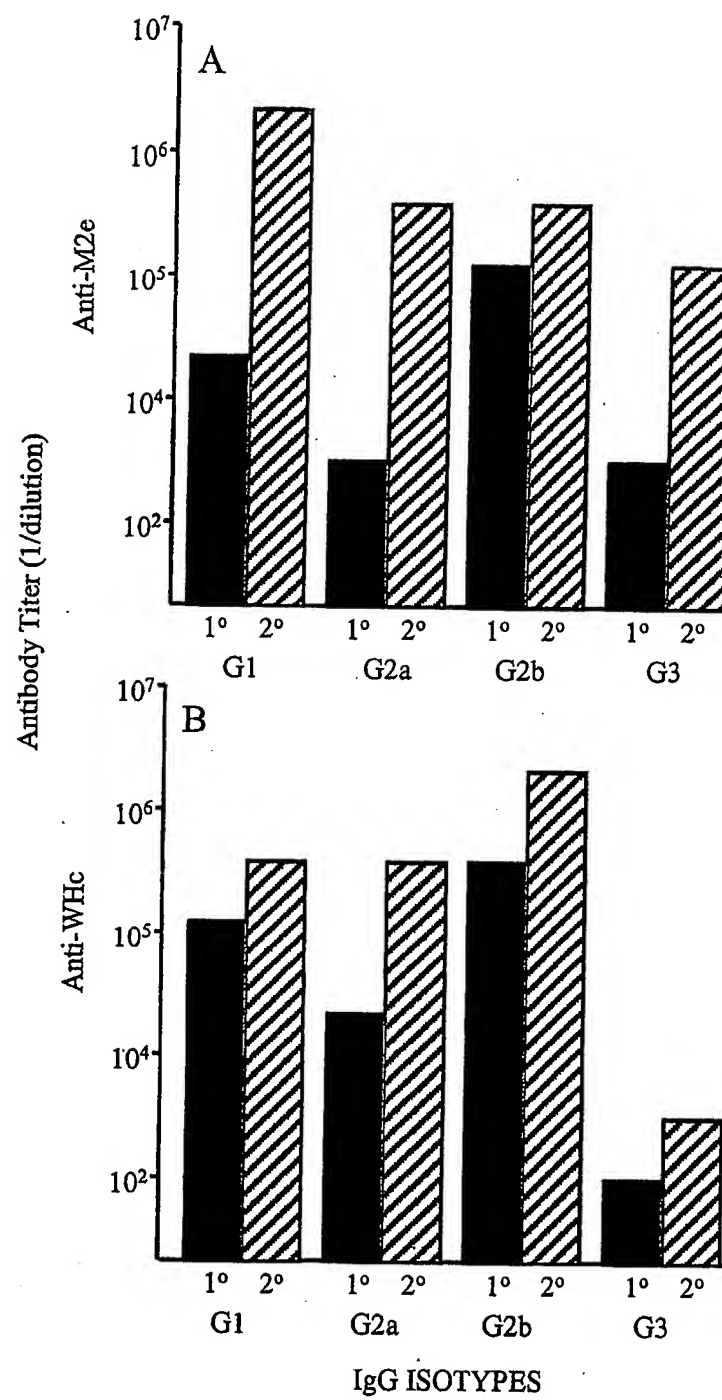


Fig. 33

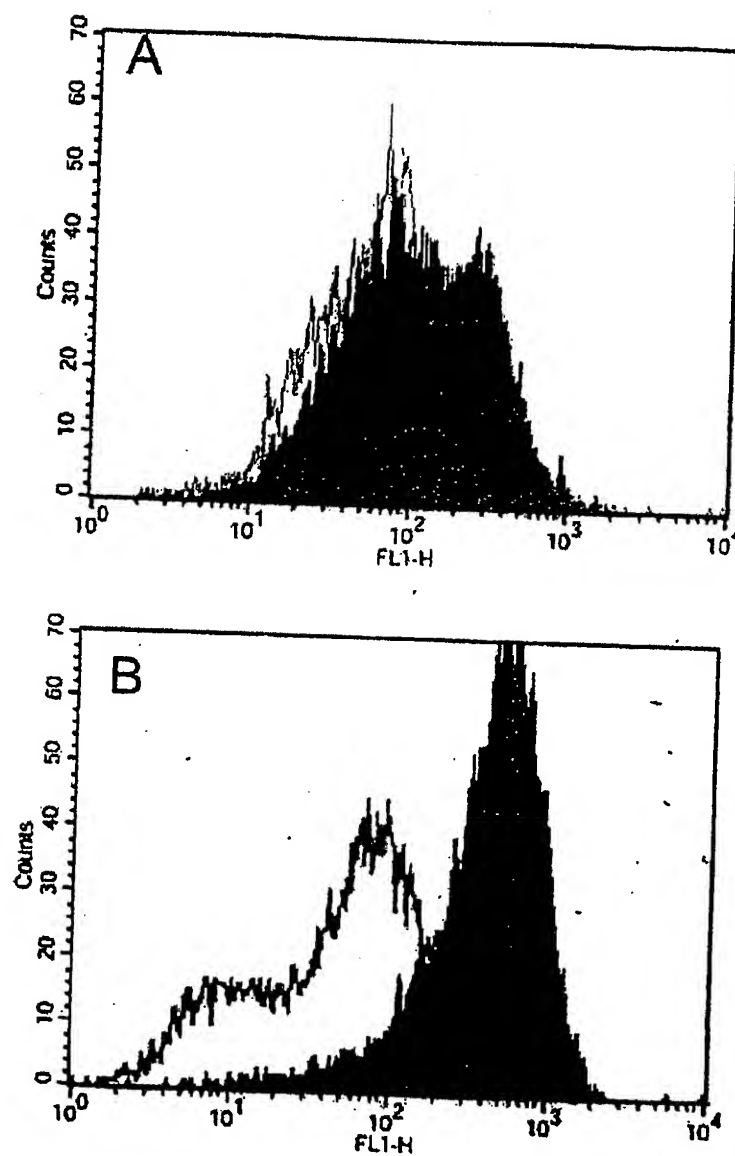


Fig. 34

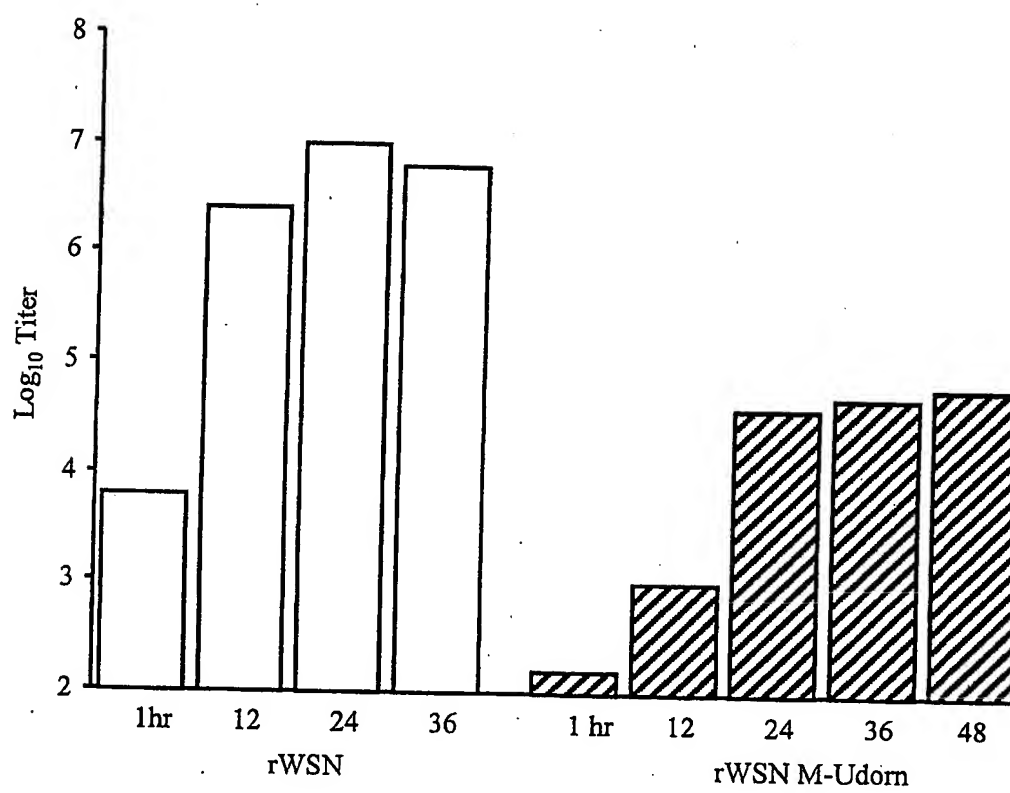


Fig. 35

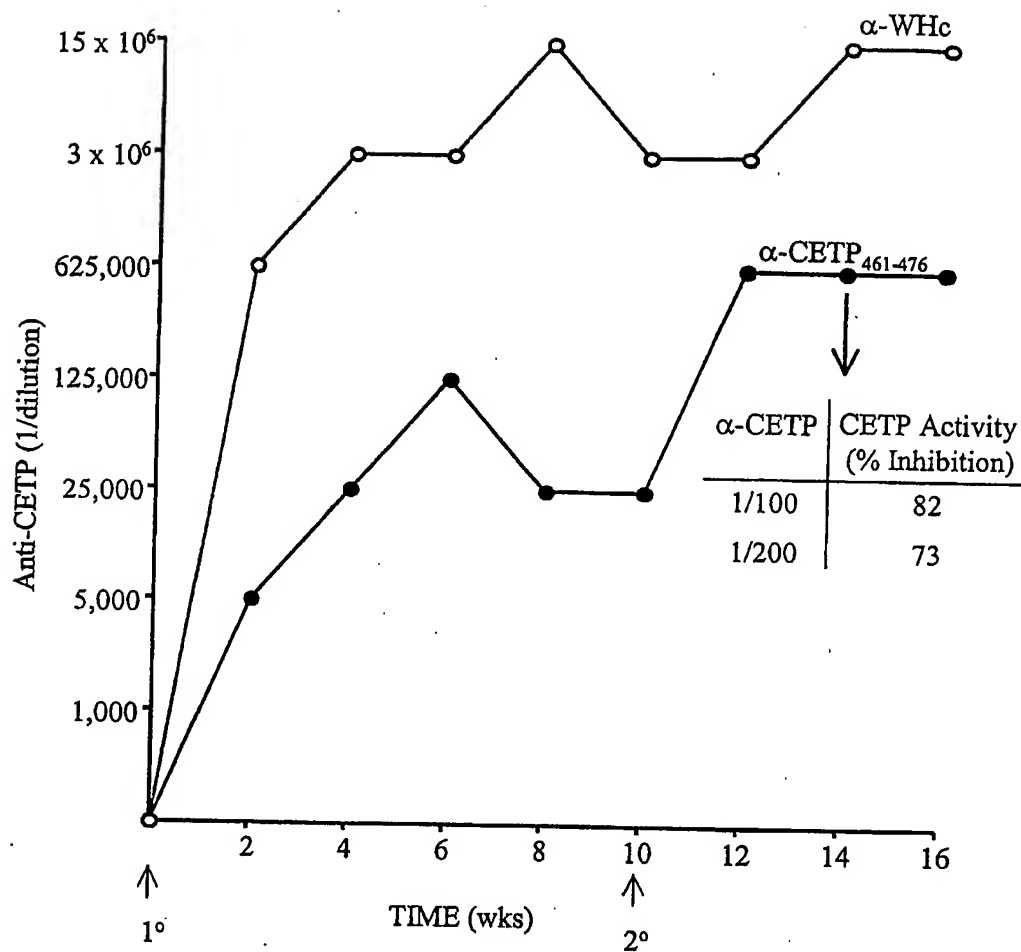
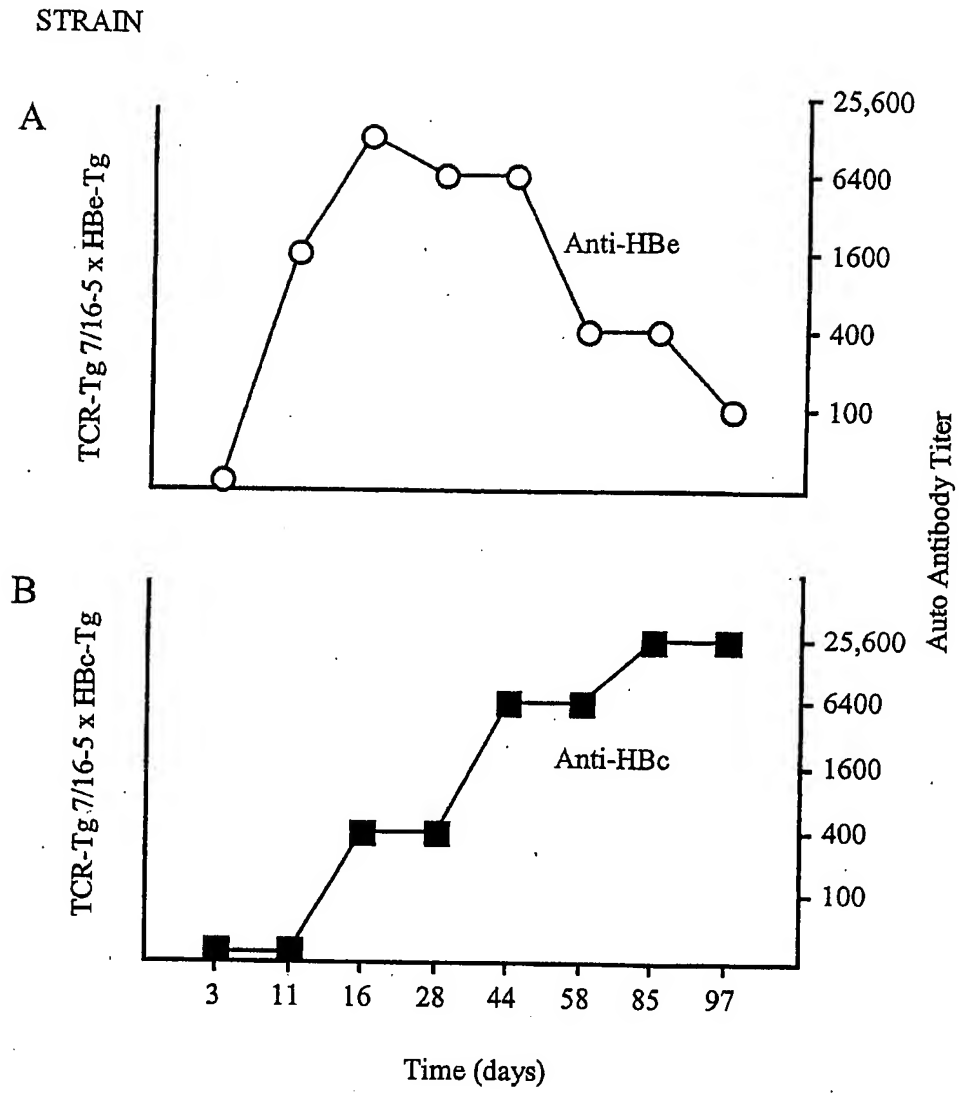
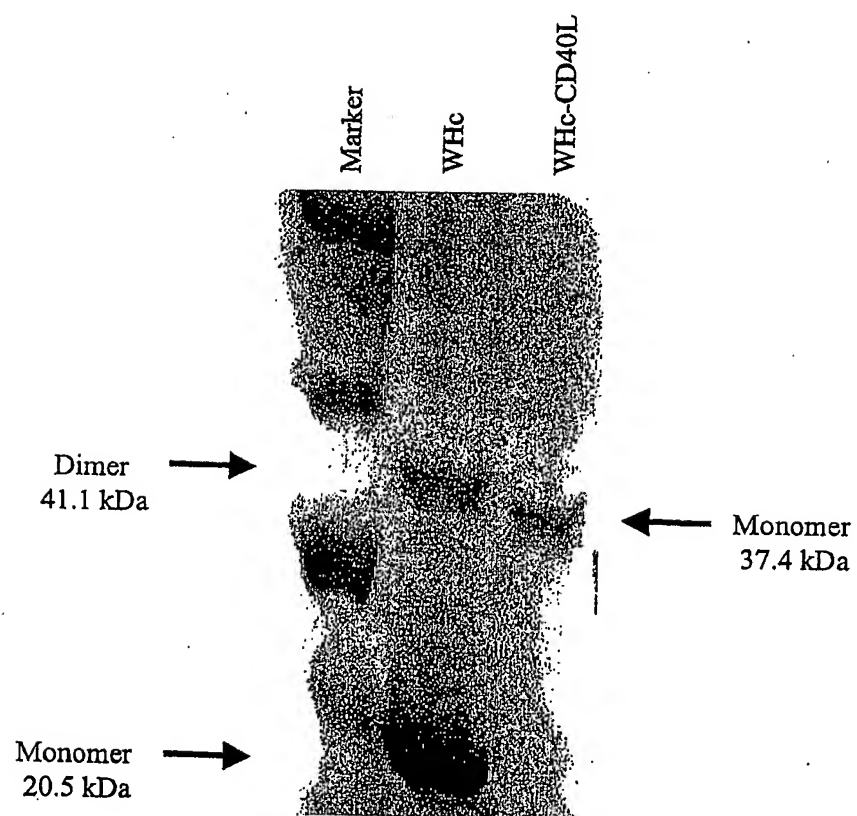


Fig. 36



**Fig. 37**



**Fig. 38**

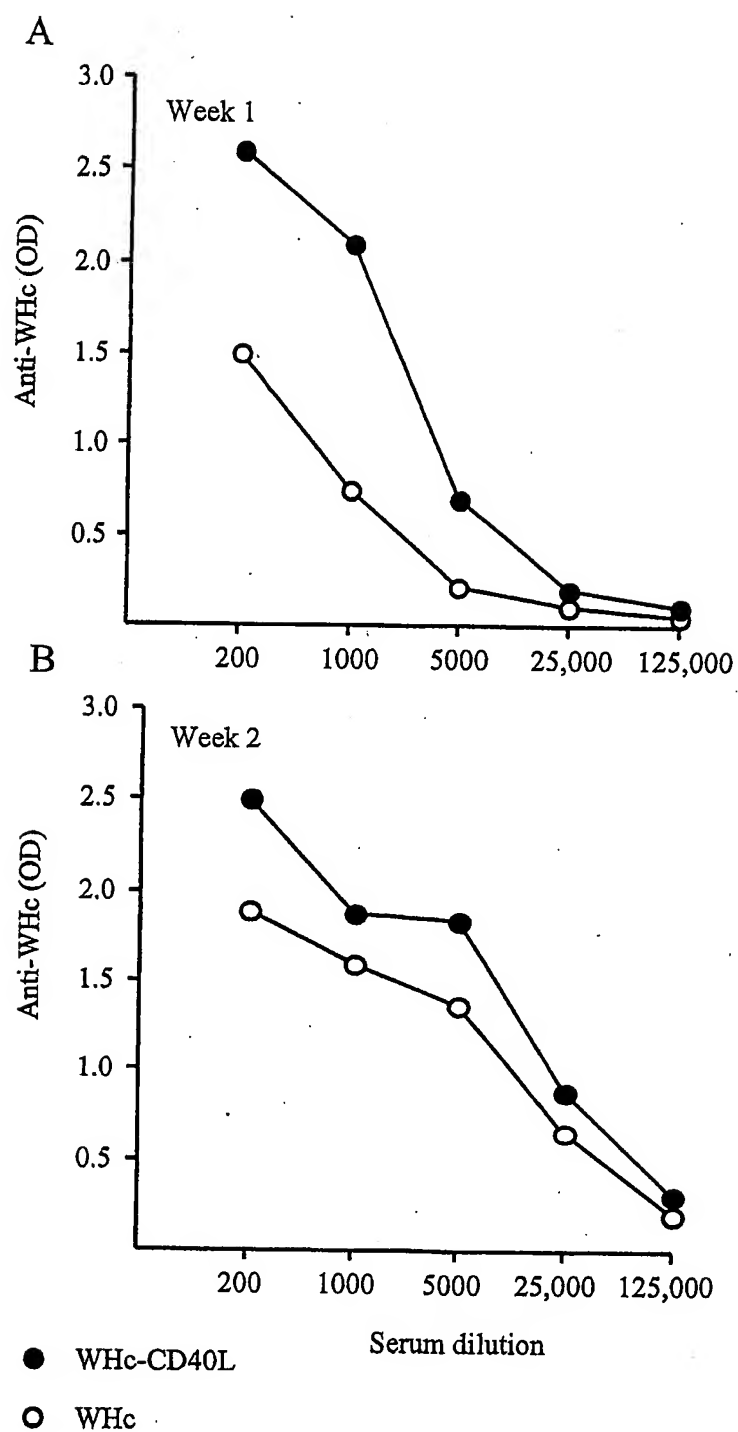


Fig. 39

Fig. 40

## A Wild Type WHcAg DNA (SEQ ID NO:37)

ATGGACATAGATCCCTATAAAGAATTTGGTTCATCTTATCAGTTGTTGAATTTTCTTCC  
TTTGGACTTCTTTCCTGACCTTAATGCTTTGGTGGACACTGCTACTGCCTTGATGAAG  
AAGAGCTAACAGGTAGGGAACATTGCTCTCCGCACCATACAGCTATTAGACAAGCTTTA  
GTATGCTGGGATGAATTAATAAATTGATAGCTTGGATGAGCTCTAACATAACTTCTGA  
ACAAGTAAGAACAATCATTTGTAAATCATGTCAATGATACCTGGGGACTTAAGGTGAGAC  
AAAGTTTATGGTTTCATTTGTTCATGTCTCACTTTTCGGACAACATACAGTTCAAGAATTT  
TTAGTAAGTTTTGGAGTATGGATCAGGACTCCAGCTCCATATAGACCTCCTAATGCACC  
CATTCTCTCGACTCTTCCGGAACATACAGTCATTAGGAGAAGAGGAGGTGCAAGAGCTT  
CTAGGTCCCCCAGAAGACGCACTCCCTCTCCTCGCAGGAGAAGATCTCAATCACCGCGT  
CGCAGACGCTCTCAATCTCCATCTGCCAACTGCTGA

## B Wild Type WHcAg (SEQ ID NO:1)

MDIDPYKEFGSSYQLLNFLPLDFFPDNLALVDTATALYEEELTGREHCSPHHTAIRQAL  
VCWDELTKLIAWMSSNITSEQVRTIIVNHVNDTWGLKVRQSLWFHLSCLTFGQHTVQEF  
LVSFGVWIRTPAPYRPPNAPILSTLPEHTVIRRRGGARASRSPRRRTPSPRRRSQSPR  
RRRSQSPSANC

## C Truncated WHcAg (SEQ ID NO:38)

MDIDPYKEFGSSYQLLNFLPLDFFPDNLALVDTATALYEEELTGREHCSPHHTAIRQAL  
VCWDELTKLIAWMSSNITSEQVRTIIVNHVNDTWGLKVRQSLWFHLSCLTFGQHTVQEF  
LVSFGVWIRTPAPYRPPNAPILSTLPEHTVI



## Fig. 41

## A Wild Type GSHcAg DNA (SEQ ID NO:39)

ATGGACATAGATCCCTATAAAGAAATTTGGTTCTTCTTATCAGTTGTTGAATTTTCTTCC  
TTTGGACTTTTTTCTGATCTCAATGCATTGGTGGACACTGCTGCTGCTCTTTATGAAG  
AAGAATTAACAGGTAGGGAGCATTGTTCTCCTCATCATACTGCTATTAGACAGGCCTTA  
GTGTGTTGGGAAGAATTAAGTAGATTAATTACATGGATGAGTGAAAATACAACAGAAGA  
AGTTAGAAGAATTATTGTTGATCATGTCAATAATACTTGGGGACTTAAAGTAAGACAGA  
CTTTATGGTTTCATTTATCATGTCTTACTTTTGGACAACACACAGTTCAAGAATTTTG  
GTTAGTTTTGGAGTATGGATTAGAACTCCAGCTCCTTATAGACCACCTAATGCACCCAT  
TTTATCAACTCTTCCGGAACATACAGTCATTAGGAGAAGAGGAGGTTCAAGAGCTGCTA  
GGTCCCCCGAAGACGCACTCCCTCTCCTCGCAGGAGAAGGTCTCAATCACCGCGTCGC  
AGACGCTCTCAATCTCCAGCTTCCAAGTCTGA

## B Wild Type GSHcAg (SEQ ID NO:21)

MDIDPYKEFGSSYQLLNFLPLDFFPDNLALVDTAALYEEELTGREHCSPHHTAIRQAL  
VCWEELTRLITWMSENTTEEVRRRIIVDHVNNTWGLKVRQTLWFHLSCLTFGQHTVQEFL  
VSFGVWIRTPAPYRPPNAPILSTLPEHTVIRRRGGSRAARSPRRRTPSPRRRRSQSPRR  
RRSQSPASNC

## C Truncated GSHcAg (SEQ ID NO:40)

MDIDPYKEFGSSYQLLNFLPLDFFPDNLALVDTAALYEEELTGREHCSPHHTAIRQAL  
VCWEELTRLITWMSENTTEEVRRRIIVDHVNNTWGLKVRQTLWFHLSCLTFGQHTVQEFL  
VSFGVWIRTPAPYRPPNAPILSTLPEHTVI

Fig. 42

## A Wild Type HBcAg DNA (SEQ ID NO:57)

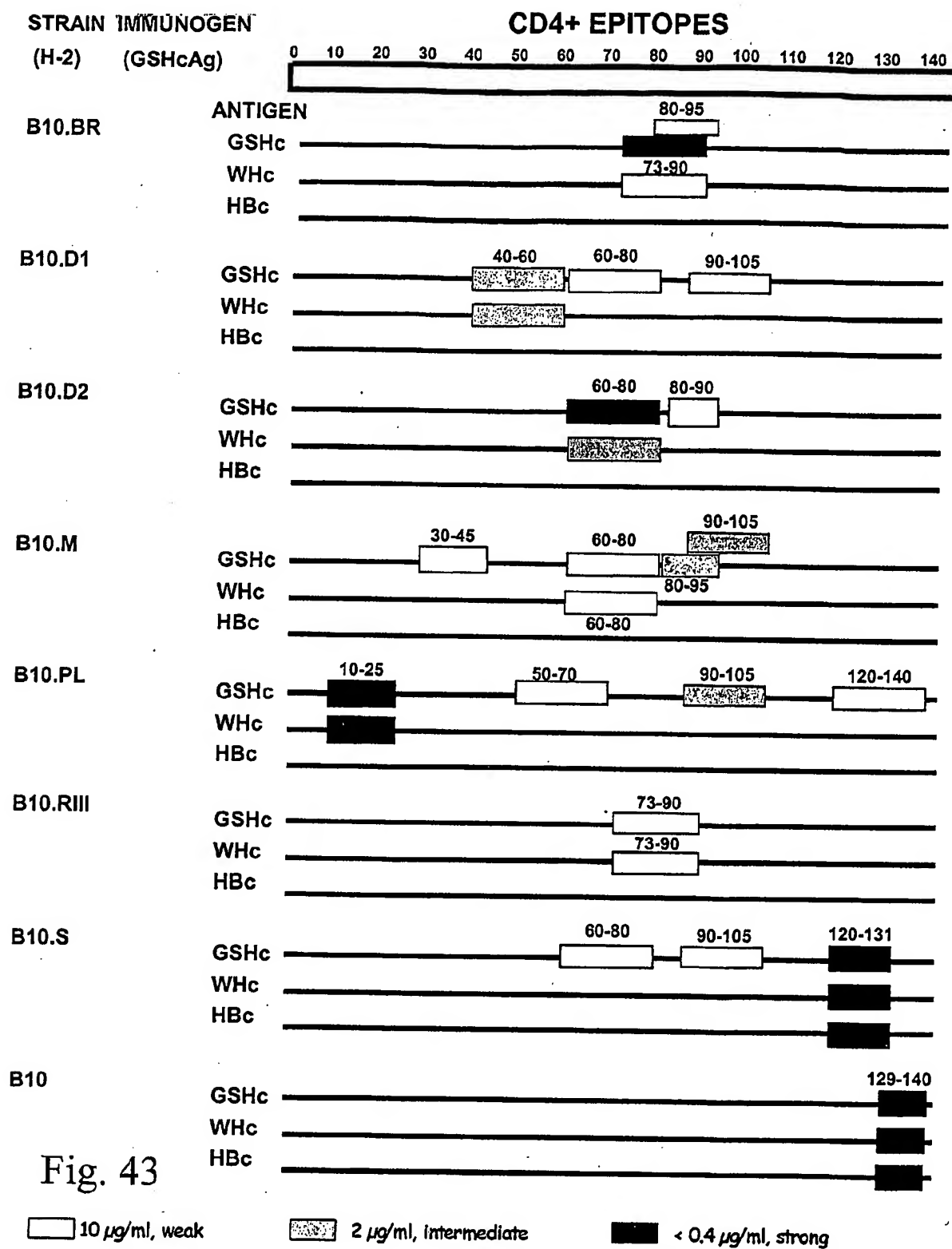
ATGGACATCGACCCTTATAAAGAATTTGGAGCTACTGTGGAGTTACTCTCGTTTTTGCC  
TTCTGACTTCTTTTCCTTCAGTACGAGATCTTCTAGATACCGCCTCAGCTCTGTATCGGG  
AAGCCTTAGAGTCTCCTGAGCATTGTTACCTCACCATACTGCACTCAGGCAAGCAATT  
CTTTGCTGGGGGGAATAATGACTCTAGCTACCTGGGTGGGTGTTAATTTGGAAGATCC  
AGCATCCAGAGACCTAGTAGTCAGTTATGTCAACACTAATATGGGCCTAAAGTTCAGGC  
AACTCTTGTGGTTTCACATTTCTTGTCTCACTTTTGGGAAGAGAAACCGTTATAGAGTAT  
TTGGTGTCTTTTCGGAGTGTGGATTTCGCACTCCTCCAGCTTATAGACCACCAAATGCCCC  
TATCCTATCAACACTTCCGGAACTACTGTTGTTAGACGACGAGGCAGGTCCCCTAGAA  
GAAGAACTCCCTCGCCTCGCAGACGAAGGTCTCAATCGCCGCGTCGCAGAAGATCTCAA  
TCTCGGGAATCTCAATGTTGA

## B Wild Type HBcAg (SEQ ID NO:41)

MDIDPYKEFGATVELLSFLPSDFFPSVRDLLDTASALYREALSPEHCSPHHTALRQAI  
LCWGELMTLATWVGVNLEDPASRDLVVSYNNTNMGLKFRQLLWEHISCLTFGRETVIEY  
LVSFVWIRTPPAYRPPNAPILSTLPETTVVRRRGRSPRRRTPSPRRRRSQSPRRRRSQ  
SRESQC

## C Truncated HBcAg (SEQ ID NO:58)

MDIDPYKEFGATVELLSFLPSDFFPSVRDLLDTASALYREALSPEHCSPHHTALRQAI 54  
LCWGELMTLATWVGVNLEDPASRDLVVSYNNTNMGLKFRQLLWFHISCLTFGRETVIEY 112  
LVSFVWIRTPPAYRPPNAPILSTLPETTVV



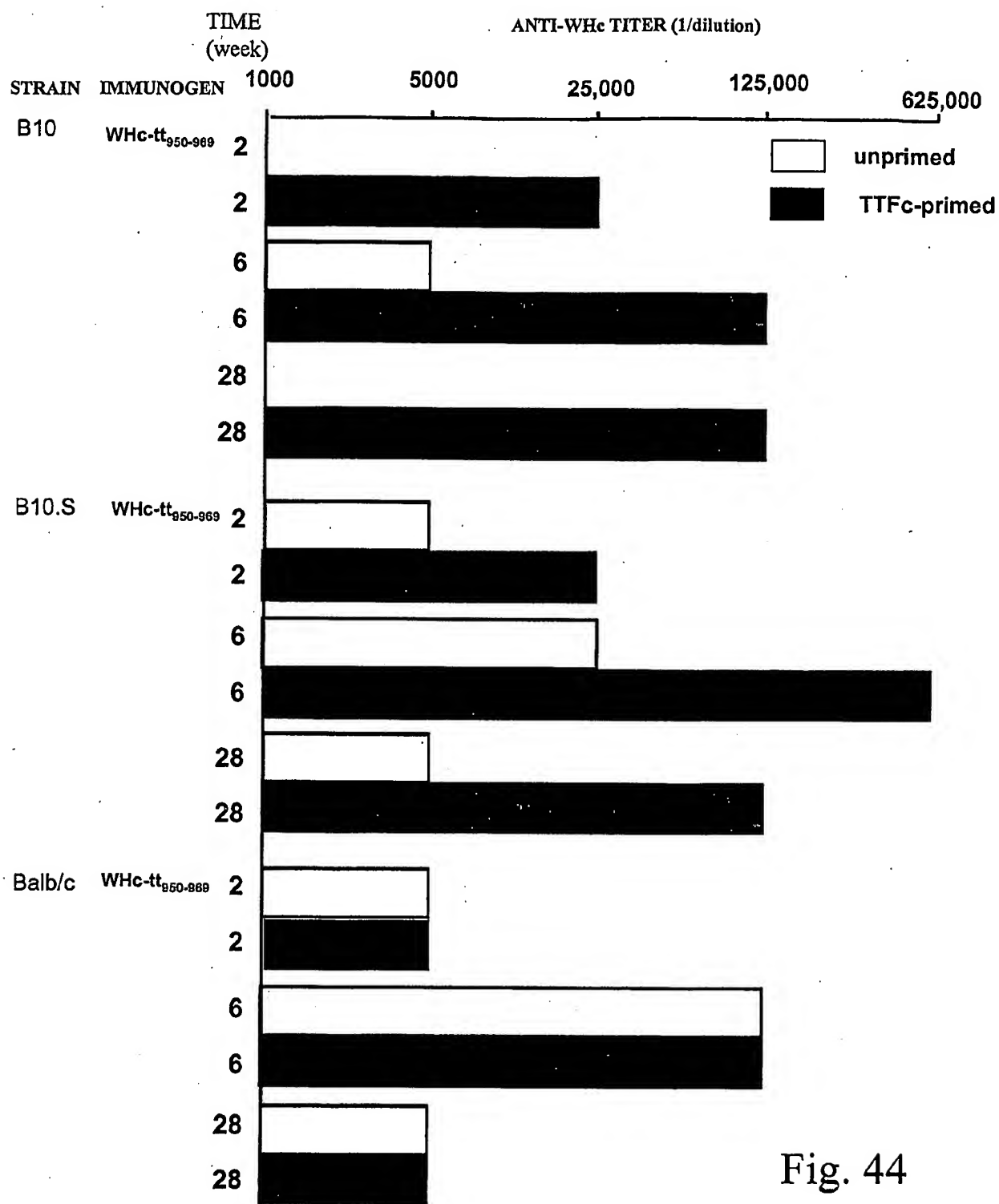
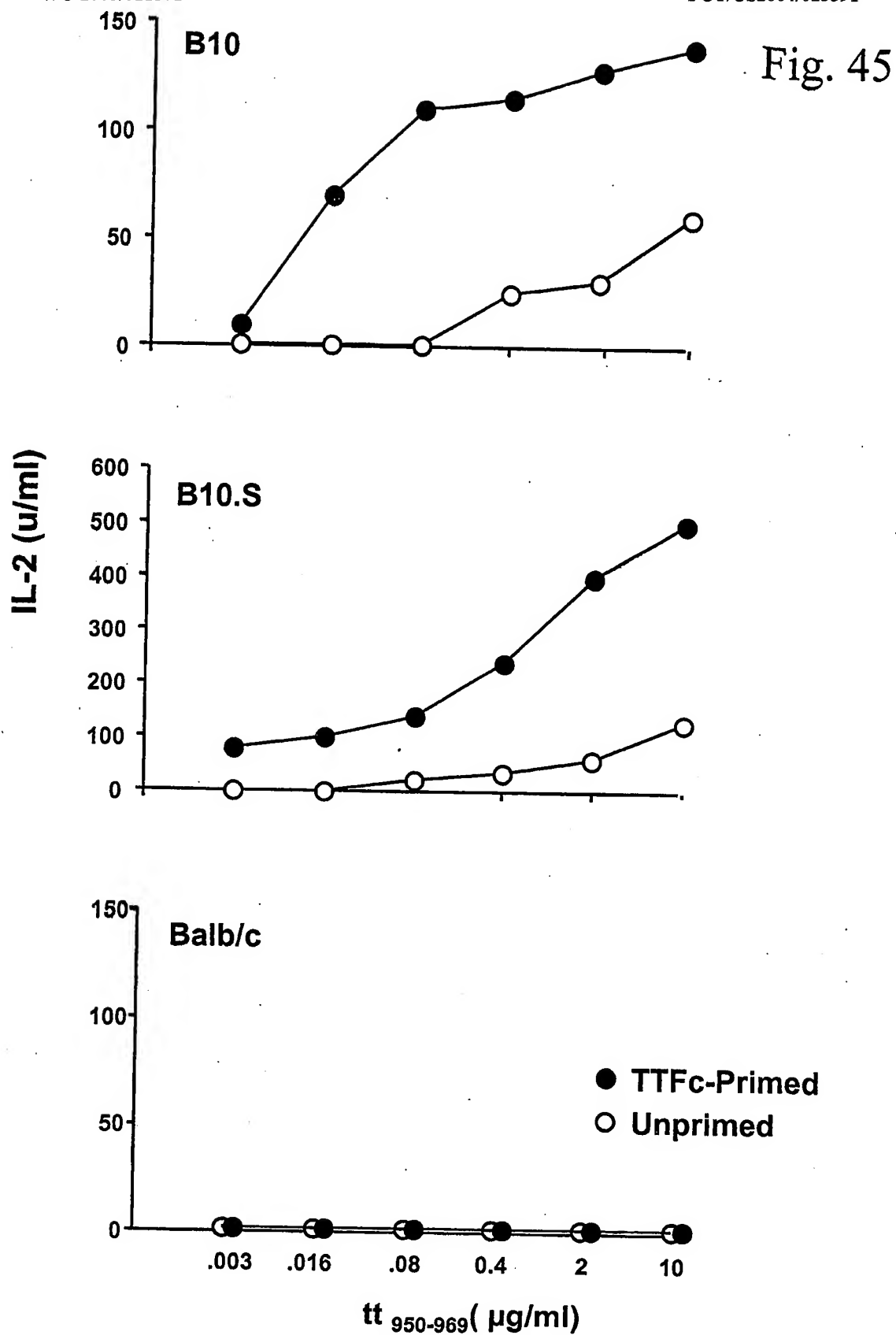


Fig. 44



התאחדות המורים והמורות

DHBV-S31 M32991  
HHEV M22056  
DHBV\_NC\_001344  
HHEV o1w X65237  
Chimp. HBEV AP222323  
Gibbon HBEV AY077735  
Ross' goose HBEV M95589  
Orangutan EV\_NC\_002168  
WBEHV AF046996  
GSHV K02715  
MHV J02442  
AGSH NC\_001719

DHBV-S31 M32991  
HBBV M22056  
DHBV\_NC\_001344  
HBBV\_ayw\_X65257  
Chimp.HBV.AP222323  
Gibbon.HBV.AY077735  
Ross'Goose.HBV.M95589  
Orangutan.HV\_NC\_002168  
WMHBV.AF046996  
GSHV.K02715  
HBV.J02442  
AGSH\_NC\_001719

DHEV-S31 M32991  
HHEV M22056  
DHEV NC\_001344  
HHEV aYW X65257  
Chimp.HBV AP222323  
Gibbon HBV AY077735  
Ross' goose HBV M95589  
Orangutan HV NC\_002168  
WMHBV AF046996  
GSHV K02715  
MHV J02442  
AGSH NC\_001719

AGSH NC 001719

WFOV J02442

AGSH NC 001719

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